Environment Canada Environnement Canada

Surface Water Data

Manitoba

Données sur les eaux de surface

1988

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1989

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1989

90-00330/

Published by authority of
the Minister of the Environment

Publié avec l'autorisation
du ministre de l'Environnement

©Minister of Supply and Services Canada 1989

Cat. No. En 36-402/1988

ISBN 0-662-56760-9

©Ministre des Approvisionnements et
Services Canada 1989

N° de cat. En 36-402/1988

ISBN 0-662-56760-9

PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Winnipeg, Manitoba.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Winnipeg (Manitoba).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

CONTENTS

	PAGE
Preface	iii
Introduction	iv
Organization and History of Hydrometric Survey Operations	iv
Co-operation and Acknowledgments	v
Equivalents of Measure	vi
Definition of Terms and Abbreviations	vii
Publication of Surface Water and Sediment Data	vii
Method of Tabulation of Surface Water Data	ix
Revisions	xi
Accuracy of Hydrometric Data	xii
Surface Water Data, Gauging Stations in Alphabetical Order	1
Alphabetical Index	179
Station Number Index	183

TABLE DES MATIÈRES

	PAGE
Préface	iii
Introduction	iv
Organisation et historique des relevés hydrométriques	iv
Coopération et remerciements	v
Équivalences des unités de mesure	vi
Définitions des termes et abréviations	vii
Publication des données sur les eaux de surface et les sédiments	vii
Présentation sous forme de tableaux des données sur les eaux de surface	ix
Révisions	xi
Exactitude des données hydrométriques	xii
Données sur les eaux de surface – Stations de jaugeage énumérées dans l'ordre alphabétique	1
Index alphabétique	179
Index numérique des stations	183

INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1988 calendar year, the results of the hydrometric survey investigations which were made in Manitoba by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Water Resources Branch,
Department of the Environment,
521 Federal Building,
269 Main Street,
Winnipeg, Manitoba.
R3C 1B2
(204 983-2435)

or to the Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1988, the hydrometric surveys in Manitoba were conducted by the Water Survey of Canada under agreement with the Province of Manitoba. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1988, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués au Manitoba.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Direction des ressources en eau
Ministère de l'Environnement
521 Édifice fédéral
269, rue Main
Winnipeg (Manitoba)
R3C 1B2
(204 983-2435)

ou au Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1988, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques au Manitoba en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream-gauging work started in Manitoba when the Winnipeg River Power Survey was commenced in 1911 by the Dominion Water Power Branch. The Manitoba Hydrographic Survey was organized in early 1912 and the survey was expanded to embrace all Manitoba and the Lake of the Woods in Ontario. Following the transfer of the natural resources of Manitoba to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Manitoba for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933, work was continued by the federal government under letter arrangement until 1975. A co-operative agreement was signed with the Government of Manitoba on February 18, 1975, and implemented on April 1, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Agriculture Canada, PFRA.

Provincial – Manitoba Hydro, Manitoba;
Department of Natural Resources, Water Resources Branch, Manitoba.

Municipal – City of Winnipeg Hydro-Electric System, Manitoba.

C'est en 1911, lorsque la Direction fédérale de l'énergie hydraulique a fondé le *Winnipeg River Power Survey*, que cet organisme a effectué les premières observations relatives aux cours d'eau au Manitoba. Avec la création du *Manitoba Hydrographic Survey* au début de 1912, le champ des relevés s'est élargi pour englober tout le Manitoba et le lac des Bois en Ontario. Après que la responsabilité des ressources naturelles du Manitoba est passée au gouvernement provincial, le 1er octobre 1930, le Manitoba et le gouvernement fédéral ont conclu un accord qui permettait à ce dernier de poursuivre les relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement du Manitoba a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Travaux publics,
Agriculture Canada (ARAP).

Niveau provincial – Hydro-Manitoba,
Ministère des Ressources naturelles, Direction des ressources en eau, Manitoba.

Niveau municipal – *Hydro-Electric System* de Winnipeg, Manitoba.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ANGLING RIVER NEAR BIRD - STATION NO. 08UH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.05 B	0.840B	0.408B	0.307B	0.355B	33.7	7.31	3.36	4.48	5.41	2.96B	1.25 B	1
2	1.02 B	0.828B	0.404B	0.305B	0.400B	36.4	6.48	3.66	4.66	5.77	2.92B	1.21 B	2
3	1.01 B	0.819B	0.400B	0.302B	0.800B	47.2	5.94	4.26	4.69	5.86	2.84B	1.17 B	3
4	0.999B	0.809B	0.387B	0.300B	30.4 B	57.8	5.62	5.08	4.34	5.80	2.76B	1.13 B	4
5	0.988B	0.798B	0.392B	0.298B	173 E	60.8	5.74	5.31	4.31	5.81	2.72B	1.11 B	5
6	0.977B	0.861B	0.388B	0.296B	173 E	60.3	5.80	5.59	4.15	5.87	2.64B	1.07 B	6
7	0.988B	0.864B	0.383B	0.290B	166 E	56.3	5.23	5.33	4.25	5.35	2.58B	1.05 B	7
8	0.933B	0.877B	0.380B	0.290B	154 E	48.4	5.78	5.28	3.87	5.08	2.48B	1.01 B	8
9	0.922B	0.870B	0.377B	0.288B	148 E	43.5	5.67	5.46	3.72	5.42	2.38B	0.988B	9
10	0.900B	0.858B	0.375B	0.288B	140 E	36.4	5.19	5.39	3.43	5.28	2.32B	0.965B	10
11	0.890B	0.849B	0.372B	0.284B	133 E	28.8	7.62	4.82	3.14	4.80	2.24B	0.933B	11
12	0.880B	0.838B	0.370B	0.284B	124 E	21.7	8.13	5.09	3.01	4.42	2.18B	0.900B	12
13	0.870B	0.828B	0.367B	0.282B	111 A	18.0	8.18	5.03	3.00	4.42	2.12B	0.880B	13
14	0.850B	0.821B	0.362B	0.280B	107	17.8	7.76	4.84	3.28	4.23	2.04B	0.850B	14
15	0.830B	0.814B	0.360B	0.278B	102	16.8	7.88	4.82	3.38	4.17	1.98B	0.830B	15
16	0.810B	0.807B	0.358B	0.278B	94.8	14.3	7.32	4.17	3.28	4.36	1.92B	0.800B	16
17	0.800B	0.800B	0.353B	0.274B	86.8	13.2	6.98	3.84	3.44	4.26	1.85B	0.784B	17
18	0.792B	0.494B	0.350B	0.274B	78.2	11.0	6.26	3.61	3.33	4.07	1.79B	0.760B	18
19	0.778B	0.488B	0.346B	0.274B	72.2	11.3	6.02	3.33	3.35	4.08	1.74B	0.744B	19
20	0.768B	0.478B	0.345B	0.274B	86.8	12.6	5.06	3.02	3.38	4.16	1.68B	0.720B	20
21	0.752B	0.484B	0.342B	0.274B	80.7	12.6	4.86	2.81	3.37	3.93B	1.63B	0.704B	21
22	0.736B	0.452B	0.337B	0.274B	87.8	13.3	4.76	2.66	3.45	3.81B	1.58B	0.680B	22
23	0.728B	0.449B	0.335B	0.274B	84.6	12.6	4.80	2.45	3.48	3.70B	1.53B	0.664B	23
24	0.720B	0.440B	0.330B	0.274B	81.1	11.7	4.10	2.86	4.66	3.63B	1.49B	0.640B	24
25	0.712B	0.438B	0.327B	0.274B	48.7	10.8	3.88	3.00	5.30	3.53B	1.45B	0.628B	25
26	0.696B	0.432B	0.325B	0.284B	46.3	10.6	3.40	3.13	5.55	3.44B	1.43B	0.606B	26
27	0.680B	0.424B	0.323B	0.290B	43.3	9.71	3.34	3.14	5.77	3.38B	1.41B	0.591B	27
28	0.672B	0.418B	0.320B	0.288B	40.0	8.34	3.33	3.16	5.85	3.28B	1.37B	0.570B	28
29	0.664B	0.412B	0.318B	0.320B	38.8	8.44	3.73	3.49	6.04	3.18B	1.33B	0.556B	29
30	0.656B		0.312B	0.333B	35.8	7.98	2.77	4.01	5.87	3.12B	1.28B	0.542B	30
31	0.648B		0.310B		34.1		3.02	4.38		3.04B		0.528B	31
TOTAL	25.884	15.000	11.088	8.838	2 470.88B	751.84	171.43	125.78	124.79	137.80	80.70	28.850	TOTAL
MEAN	0.828	0.517	0.357	0.288	79.7	25.1	5.53	4.06	4.16	4.44	2.02	0.934	MEAN
MAX	1.05	0.840	0.408	0.332	173	60.8	8.18	5.59	6.57	6.41	2.96	1.25	MAX
MIN	0.648	0.412	0.310	0.274	0.355	7.98	2.73	2.45	3.00	3.04	1.28	0.528	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.7
MAXIMUM DAILY, 173E ON MAY 5
MINIMUM DAILY, 0.274B ON APR 17

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 40 38 N
LONG 93 38 20 W
DRAINAGE AREA, 1 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 220	JUL	14 800
FEB	1 300	AUG	10 800
MAR	858	SEP	10 800
APR	748	OCT	11 800
MAY	213 000	NOV	6 240
JUN	64 900	DEC	2 220

TOTAL DISCHARGE, 339 090 dam³

ANTLER RIVER NEAR MELITA - STATION NO. 05NF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0	0	0	0	0	0	0	0B	0B	1
2	0B	0B	0 B	0	0.010	0	0	0	0	0	0B	0B	2
3	0B	0B	0 B	0	0.018	0	0	0	0	0	0B	0B	3
4	0B	0B	0 B	0	0.014	0	0	0	0	0	0B	0B	4
5	0B	0B	0 B	0	0.007	0	0	0	0	0	0B	0B	5
6	0B	0B	0 B	0	0.008	0	0	0	0	0	0B	0B	6
7	0B	0B	0 B	0	0.004	0	0	0	0	0	0B	0B	7
8	0B	0B	0 B	0	0.003	0	0	0	0	0	0B	0B	8
9	0B	0B	0 B	0	0.002	0	0	0	0	0	0B	0B	9
10	0B	0B	0 B	0	0.001	0	0	0	0	0	0B	0B	10
11	0B	0B	0 B	0	0.002	0	0	0	0	0	0B	0B	11
12	0B	0B	0 B	0.001	0.001	0	0	0	0	0	0B	0B	12
13	0B	0B	0 B	0.001	0.001	0	0	0	0	0	0B	0B	13
14	0B	0B	0 B	0.002	0.001	0	0	0	0	0	0B	0B	14
15	0B	0B	0 B	0.004	0.002	0	0	0	0	0	0B	0B	15
16	0B	0B	0 B	0.001	0.001	0	0	0	0	0	0B	0B	16
17	0B	0B	0 B	0.001	0.001	0	0	0	0	0	0B	0B	17
18	0B	0B	0 B	0.001	0.001	0	0	0	0	0	0B	0B	18
19	0B	0B	0 B	0.001	0.001	0	0	0	0	0	0B	0B	19
20	0B	0B	0 B	0.001	0.001	0	0	0	0	0	0B	0B	20
21	0B	0B	0 B	0	0.001	0	0	0	0	0	0B	0B	21
22	0B	0B	0 B	0	0.001	0	0	0	0	0	0B	0B	22
23	0B	0B	0.001B	0	0.001	0	0	0	0	0	0B	0B	23
24	0B	0B	0.003B	0	0.001	0	0	0	0	0	0B	0B	24
25	0B	0B	0.001B	0	0.001	0	0	0	0	0	0B	0B	25
26	0B	0B	0.001B	0	0.001	0	0	0	0	0	0B	0B	26
27	0B	0B	0.001B	0	0.001	0	0	0	0	0	0B	0B	27
28	0B	0B	0.001B	0	0.001	0	0	0	0	0B	0B	0B	28
29	0B	0B	0.001B	0	0.001	0	0	0	0	0B	0B	0B	29
30	0B		0.001B	0	0.001	0	0	0	0	0B	0B	0B	30
31	0B		0.002B	0	0.001	0	0	0	0	0B	0B	0B	31
TOTAL	0	0	0 B 0.011	0.013	0.001 0.084	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0	0	0.003	0	0	0	0	0	0	0	MEAN
MAX	0	0	0.003	0.004	0.018	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.018 ON MAY 3
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
0.021 AT 08:43 CST ON MAY 4

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 34 N
LONG 101 02 56 W
DRAINAGE AREA, 3 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	0.95	SEP	0
APR	1.12	OCT	0
MAY	7.36	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 9.33 dam³

ARROW RIVER NEAR ARROW RIVER - STATION NO. 05MB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0095	0.2068	0.178	0.015	0	0	0	0	---	---	1
2	---	---	0.0198	0.2888	0.818	0.012	0	0	0	0	---	---	2
3	---	---	0.0028	0.4078	0.888	0.010	0	0	0	0	---	---	3
4	---	---	0.0118	0.5308	0.588	0.008	0	0	0	0	---	---	4
5	---	---	0.0108	0.377	0.328	0.004	0	0	0	0	---	---	5
6	---	---	0.0188	0.342	0.220	0.002	0	0	0	0	---	---	6
7	---	---	0.1088	0.405	0.187	0	0	0	0	0	---	---	7
8	---	---	0.1208	0.438	0.157	0	0	0	0	0	---	---	8
9	---	---	0.0678	0.258	0.133	0	0	0	0	0	---	---	9
10	---	---	0.0838	0.202	0.141	0	0	0	0	0	---	---	10
11	---	---	0.0508	0.148	0.148	0	0	0	0	0	---	---	11
12	---	---	0.0558	0.281	0.128	0	0	0	0	0	---	---	12
13	---	---	0.0888	0.178	0.088	0	0	0	0	0	---	---	13
14	---	---	0.0108	0.141	0.078	0	0	0	0	0	---	---	14
15	---	---	0.0408	0.098	0.100	0	0	0	0	0	---	---	15
16	---	---	0.0678	0.053	0.083	0	0	0	0	0	---	---	16
17	---	---	0.0508	0.051	0.072	0	0	0	0	0	---	---	17
18	---	---	0.0618	0.070	0.122	0	0	0	0	0	---	---	18
19	---	---	0.0488	0.028	0.158	0	0	0	0	0	---	---	19
20	---	---	0.0318	0.010	0.178	0	0	0	0	0	---	---	20
21	---	---	0.0318	0.013	0.135	0	0	0	0	0	---	---	21
22	---	---	0.0558	0.018	0.102	0	0	0	0	0	---	---	22
23	---	---	0.0888	0.018	0.078	0	0	0	0	0	---	---	23
24	---	---	0.0098	0.025	0.117	0	0	0	0	0	---	---	24
25	---	---	0.0348	0.020	0.112	0	0	0	0	0	---	---	25
26	---	---	0.0488	0.030	0.075	0	0	0	0	0	---	---	26
27	---	---	0.0348	0.018	0.064	0	0	0	0	0	---	---	27
28	---	---	0.0078	0.027	0.044	0	0	0	0	0	---	---	28
29	---	---	0.0188	0.020	0.033	0	0	0	0	0	---	---	29
30	---		0.0488	0.028	0.028	0	0	0	0	0	---	---	30
31	---		0.0678		0.022		0	0		0		---	31
TOTAL	---	---	1.420	4.881	5.388	0.051	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.046	0.188	0.174	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0.120	0.530	0.886	0.015	0	0	0	0	---	---	MAX
MIN	---	---	0.002	0.010	0.022	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.047
MAXIMUM DAILY, 0.886 ON MAY 3
MINIMUM DAILY, 0 ON JUN 7
MAXIMUM INSTANTANEOUS,
1.14 AT 15:42 CST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 10 N
LONG 100 57 30 W
DRAINAGE AREA, 870 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	123	SEP	0
APR	405	OCT	0
MAY	466	NOV	---
JUN	4.41	DEC	---

TOTAL DISCHARGE, 998 dam³

ASSINIBOINE RIVER AT HEADINGLEY - STATION NO. 05MJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.1 B	8.258	10.1 B	12.68	47.1	80.7	44.6	13.7	10.2	20.3	8.488	8.188	1
2	11.8 B	8.308	9.778	11.88	46.2	80.7	44.1	13.1	10.1	21.8	7.378	7.748	2
3	12.3 B	8.778	9.608	11.48	45.3	80.1	44.1	12.8	10.1	19.5	6.858	7.878	3
4	12.2 B	8.648	10.3 B	14.38	45.1	84.8	43.8	11.9	9.82	13.7	6.728	7.888	4
5	11.8 B	8.308	10.7 B	18.28	46.8	87.6	44.7	10.3	9.77	11.6	8.618	7.858	5
6	10.6 B	8.018	11.2 B	20.28	48.3	85.8	45.0	11.1	9.47	9.83	10.7 B	7.998	6
7	10.1 B	7.338	11.8 B	19.68	51.4	84.2	45.3	11.0	9.85	8.87	10.8 B	8.208	7
8	9.868	6.868	12.5 B	23.48	53.1	82.0	46.1	10.9	9.38	8.44	11.0 B	8.008	8
9	10.1 B	6.868	12.8 B	32.68	51.1	80.7	46.1	10.6	8.81	7.87	10.4 B	7.898	9
10	10.0 B	6.818	13.2 B	46.38	54.8	47.0	46.0	11.2	8.88	7.16	8.438	7.858	10
11	9.888	6.788	13.6 B	47.58	56.6	46.4	47.7	11.0	10.1	7.18	8.088	7.238	11
12	9.808	6.888	13.8 B	34.8	51.8	44.7	46.1	10.8	10.3	7.32	8.868	8.848	12
13	9.668	6.338	13.8 B	23.4	53.8	45.8	42.8	10.5	10.7	7.34	8.878	8.278	13
14	9.828	6.818	14.0 B	18.8	57.6	46.8	38.0	10.8	11.6	7.24	8.188	8.428	14
15	9.848	7.248	14.1 B	22.3	73.1	47.8	36.8	10.8	11.8	7.30	8.528	4.778	15
16	9.238	7.248	14.8 B	80.8	74.2	48.7	35.8	11.1	11.3	7.88	10.2 B	4.038	16
17	8.898	7.108	14.8 B	83.1	76.8	47.8	33.3	11.1	11.3	7.47	10.8 B	3.638	17
18	8.858	8.828	14.8 B	80.1	77.0	48.3	31.8	9.88	11.3	7.07	7.828	4.828	18
19	8.428	7.238	14.8 B	88.3	76.8	48.8	30.8	9.81	11.8	7.22	7.138	6.098	19
20	8.278	7.878	13.8 B	83.8	83.8	48.8	27.8	10.2	11.1	7.28	8.188	6.728	20
21	8.318	7.878	14.1 B	83.3	81.8	48.1	24.1	10.4	11.2	8.88	8.488	8.838	21
22	8.388	8.388	18.0 B	83.2	78.4	48.2	23.4	10.8	11.4	8.73	7.048	6.328	22
23	8.888	8.788	14.7 B	38.8	77.3	48.2	23.3	11.1	18.1	8.84	7.488	8.808	23
24	8.788	8.188	14.8 B	32.0	77.8	47.7	22.1	11.0	19.8	7.07	8.808	8.748	24
25	8.788	8.448	18.8 B	30.8	78.8	47.1	18.8	10.8	17.0	7.18	8.488	8.888	25
26	8.478	8.808	18.4 B	33.2	75.4	47.4	18.4	10.1	15.8	7.18	7.818	8.828	26
27	8.488	8.818	14.8 B	37.0	73.3	47.4	18.8	9.74	15.4	8.38	8.478	8.748	27
28	8.388	8.898	14.4 B	40.3	71.8	47.3	15.1	9.74	15.3	8.83	8.728	8.208	28
29	8.288	10.1 B	14.3 B	41.8	88.1	46.9	13.7	10.3	15.3	4.83	7.618	4.888	29
30	7.878		18.2 B	42.8	87.4	46.4	13.8	10.8	20.0	8.808	8.138	8.488	30
31	8.358		18.0 B		88.1		14.0	10.3		7.288		8.888	31
TOTAL	295.08	230.83	417.27	1 010.7	2 010.4	1 804.7	1 027.8	337.38	372.88	273.88	248.01	188.87	TOTAL
MEAN	9.52	7.98	13.5	33.7	84.8	80.2	33.2	10.8	12.4	8.83	8.17	6.34	MEAN
MAX	12.3	10.1	15.8	83.1	83.8	80.7	46.1	13.7	20.0	21.8	11.0	8.20	MAX
MIN	7.87	6.33	8.80	11.4	46.1	44.7	13.7	9.74	8.81	4.83	8.88	3.83	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 31.8
MAXIMUM DAILY, 83.8 ON MAY 30
MINIMUM DAILY, 3.838 ON DEC 17
MAXIMUM INSTANTANEOUS,
84.8 AT 08:52 CST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 08 N
LONG 97 24 10 W
DRAINAGE AREA, 163 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 500	JUL	88 600
FEB	19 800	AUG	28 100
MAR	36 100	SEP	32 200
APR	87 300	OCT	23 600
MAY	174 000	NOV	21 200
JUN	130 000	DEC	17 000

TOTAL DISCHARGE, 685 000 dam³

ASSINIBOINE RIVER NEAR BRANDON - STATION NO. 05MH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.1 B	8.598	8.748	9.808	40.4	53.8	45.3	8.87	7.88	3.43	2.83	4.888	1
2	12.2 B	8.478	8.828	11.3 B	41.1	52.7	45.1	8.80	7.86	3.34	2.82	4.888	2
3	12.2 B	8.328	8.478	12.0 B	42.2	50.6	45.2	8.01	7.70	3.38	2.87	4.888	3
4	11.7 B	8.328	8.448	11.8 B	43.3	48.7	44.8	8.85	7.86	3.84	3.86	4.788	4
5	11.2 B	8.378	8.888	12.5 B	46.3	48.3	44.2	8.82	7.83	3.78	8.87	4.748	5
6	10.8 B	8.208	7.108	13.4 B	51.8	48.6	40.6	8.63	7.77	3.86	9.86	4.748	6
7	10.0 B	8.058	7.678	15.2 B	57.4	48.7	39.6	8.58	7.83	3.86	7.73	4.788	7
8	9.808	7.888	7.918	20.1	61.6	48.1	34.3	8.29	7.58	3.73	8.01	4.838	8
9	9.888	7.858	7.888	31.7	65.4	48.3	31.2	8.43	8.05	3.71	7.84	4.848	9
10	9.708	7.888	7.898	50.7	69.7	47.5	28.8	8.18	8.67	3.82	7.78	4.888	10
11	9.808	7.818	8.058	67.7	73.7	47.2	28.8	7.88	8.81	3.47	8.81	4.818	11
12	9.588	7.888	8.138	68.3	76.5	46.3	28.8	7.80	7.86	3.72	8.06	5.008	12
13	9.718	7.748	8.128	57.5	77.5	46.3	24.6	7.98	8.32A	3.87	8.878	5.018	13
14	10.1 B	7.808	8.028	47.7	78.6	47.1	22.2	8.22	8.32A	3.84	8.738	5.088	14
15	10.2 B	7.778	7.888	42.8	80.4	48.7	21.6	8.28	8.30	3.81	8.888	4.978	15
16	10.3 B	7.628	7.888	38.6	81.0	48.4	21.2	7.81	8.15	3.73	8.888	4.888	16
17	10.2 B	7.378	7.888	36.8	80.3	48.7	19.6	7.84	7.28	3.68	8.888	4.888	17
18	9.818	7.288	7.838	31.4	78.4	48.8	16.8	7.84	8.80	3.78	8.318	4.878	18
19	9.778	7.088	7.468	28.8	76.8	48.7	14.3	7.88	8.32	3.81	8.278	4.898	19
20	9.888	8.878	7.508	28.2	76.7	49.1	13.8	7.75	4.87	3.86	8.818	8.178	20
21	9.748	8.838	7.538	33.8	74.4	48.8	12.1	7.81	4.32	3.70	8.818	8.388	21
22	9.878	8.848	7.388	37.3	72.8	48.8	11.3	8.30	4.11	3.81	8.828	8.488	22
23	9.588	8.828	7.248	38.8	70.8	47.4	10.3	8.14	3.88	3.74	8.828	8.328	23
24	9.428	8.338	8.978	40.8	68.4	47.8	9.62	8.08	3.80	3.83	8.888	8.118	24
25	9.498	8.358	8.988	41.0	65.4	48.8	9.40	7.88	3.80	3.83	8.448	8.018	25
26	9.888	8.808	8.888	41.8	62.3	48.8	9.10	7.83	3.82	3.87	8.488	4.818	26
27	9.868	8.598	8.848	41.2	60.2	48.8	8.87	7.71	3.23	3.84	8.328	4.828	27
28	9.498	8.588	7.628	41.1	58.8	46.8	8.88	7.62	3.26	3.888	8.488	4.83.	28
29	9.188	8.888	8.888	40.8	57.3	45.7	8.88	7.70	3.83	3.208	8.528	4.858	29
30	8.848		8.978	40.1	58.7	48.4	8.83	7.72	3.83	3.188	8.188	4.888	30
31	8.618		8.118		58.7		9.03	7.70		3.018		4.818	31
TOTAL	311.78	218.30	238.89	1 029.40	2 000.8	1 448.3	718.39	252.20	182.80	112.30	171.11	183.80	TOTAL
MEAN	10.1	7.42	7.38	34.3	64.5	48.3	23.1	8.14	8.10	3.62	5.70	4.88	MEAN
MAX	12.2	8.88	8.13	67.7	81.0	53.8	45.3	9.01	8.32	3.87	8.01	5.48	MAX
MIN	8.61	8.33	8.44	9.80	40.4	46.4	8.83	7.82	3.23	3.01	2.83	4.74	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 81.0 ON MAY 16
MINIMUM DAILY, 2.82 ON NOV 2
MAXIMUM INSTANTANEOUS,
81.3 AT 15:12 CST ON MAY 15

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 100 08 10 W
DRAINAGE AREA, 85 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	28 900	JUL	81 600
FEB	18 800	AUG	21 800
MAR	19 800	SEP	15 800
APR	88 800	OCT	9 700
MAY	173 000	NOV	14 800
JUN	125 000	DEC	13 300

TOTAL DISCHARGE, 589 000 dam³

ASSINIBOINE RIVER NEAR HOLLAND - STATION NO. 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.5 B	8.588	11.1 B	17.48	48.8	61.8	47.8	11.2	10.4	7.24	7.73	8.388	1
2	12.8 B	7.818	11.5 B	18.38	47.8	61.8	46.3	11.3	8.76	7.02	7.88	8.888	2
3	10.6 B	8.748	8.638	21.98	47.8	58.8	46.0	11.8	8.83	6.86	8.20	8.328	3
4	12.6 B	7.178	8.748	23.78	48.1	58.0	47.8	11.6	8.43	8.76	8.41	8.728	4
5	12.4 B	7.018	8.498	21.38	48.1	58.2	46.8	11.3	8.21	6.86	7.02	8.638	5
6	12.2 B	8.638	8.638	22.88	48.4	84.0	48.8	11.1	8.13	6.84	8.78	8.838	6
7	12.0 B	8.638	8.698	31.68	52.8	82.8	53.8	10.5	8.07	6.43	8.83	8.848	7
8	11.8 B	8.298	10.2 B	31.38	80.0	82.3	51.8	10.8	8.04	6.37	8.70	8.842	8
9	11.8 B	7.188	10.1 B	28.4	84.8	82.0	48.8	10.8	8.77	8.41	8.07	8.818	9
10	11.8 B	7.388	11.1 B	27.4	87.4	81.3	43.2	10.7	8.78	8.32	8.26	8.248	10
11	11.3 B	7.388	11.8 B	31.3	71.0	82.0	40.8	10.3	11.2	8.28	8.848	8.188	11
12	11.1 B	7.438	11.2 B	45.8	74.8	81.8	38.3	10.8	12.2	8.20	7.708	8.828	12
13	10.8 B	7.238	10.0 B	68.8	78.0	80.7	38.2	11.8	12.0	8.19	8.788	8.138	13
14	10.8 B	7.848	9.648	72.8	80.8	80.1	37.0	11.3	12.2	8.34	8.858	8.388	14
15	10.8 B	7.738	10.0 B	85.8	81.4	80.8	33.8	11.1	11.2	8.84	4.008	8.588	15
16	10.7 B	8.028	12.3 B	88.7	82.8	82.0	30.4	11.3	11.0	8.10	4.738	8.408	16
17	11.2 B	8.448	11.8 B	82.8	84.0	82.1	28.2	12.0	11.0	8.88	8.738	8.878	17
18	11.4 B	8.748	12.4 B	48.8	84.2	82.8	28.7	12.8	11.1	8.82	8.078	8.618	18
19	12.1 B	8.888	13.0 B	46.0	84.8	83.8	28.2	12.2	12.2	7.08	8.438	8.308	19
20	12.1 B	8.858	14.1 B	41.0	83.3	82.1	27.0	12.0	12.3	7.31	8.618	8.588	20
21	11.1 B	8.278	13.4 B	37.7	81.4	81.8	26.8	11.8	11.3	7.18	8.688	8.308	21
22	10.1 B	8.338	14.2 B	35.8	80.0	81.7	23.1	11.4	9.86	7.08	7.288	7.858	22
23	10.8 B	8.128	14.2 B	36.1	78.1	82.1	21.7	11.2	8.84	6.88	8.118	7.118	23
24	11.4 B	8.328	15.3 B	41.8	77.3	81.1	19.8	11.8	8.34	8.87	8.108	7.788	24
25	8.888	8.158	18.1 B	43.8	74.9	80.8	17.8	11.8	7.80	8.88	8.888	7.948	25
26	11.1 B	7.828	18.1 B	46.1	73.0	80.2	15.8	11.8	7.82	8.268	8.888	7.738	26
27	10.8 B	8.888	18.8 B	48.1	71.0	48.4	14.0	11.8	7.58	8.088	8.238	8.888	27
28	10.8 B	8.888	18.8 B	48.8	68.2	48.7	13.1	11.8	7.80	4.428	8.488	8.788	28
29	11.1 B	10.0 B	17.1 B	48.8	66.3	48.8	12.4	11.4	7.77	4.888	8.228	7.228	29
30	8.948		18.7 B	48.8	65.1	47.7	11.7	11.3	7.88	8.428	8.248	7.038	30
31	9.048		18.2 B		63.8		11.8	10.8		7.23		7.188	31
TOTAL	348.84	235.38	388.42	1 203.8	2 138.8	1 877.8	1 004.3	381.8	284.18	200.40	218.88	285.72	TOTAL
MEAN	11.3	8.12	12.8	40.1	68.8	62.8	32.4	11.3	8.81	8.48	7.32	8.87	MEAN
MAX	13.8	10.8	18.1	72.8	84.8	81.8	53.8	12.8	12.3	7.31	8.28	8.88	MAX
MIN	8.84	8.38	8.48	17.4	48.8	47.7	11.8	10.3	7.88	4.42	4.88	8.78	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.8
MAXIMUM DAILY, 84.8 ON MAY 19
MINIMUM DAILY, 4.008 ON NOV 16
MAXIMUM INSTANTANEOUS,
84.9 AT 16:08 CST ON MAY 17

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 54 N
LONG 98 53 58 W
DRAINAGE AREA, 152 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	30 200	JUL	88 800
FEB	20 300	AUG	30 400
MAR	24 200	SEP	26 400
APR	104 000	OCT	17 300
MAY	185 000	NOV	18 000
JUN	138 000	DEC	23 000

TOTAL DISCHARGE, 712 000 dam³

ASSINIBOINE RIVER NEAR MINIOTA - STATION NO. 05ME008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.8 B	5.378	5.978	5.208	35.5	44.0	43.5	9.28E	9.08	4.65E	8.678	4.178	1
2	10.4 B	5.288	6.188	5.418	37.7	43.5	43.3	9.32E	8.87	4.67E	7.028	4.508	2
3	8.688	4.708	5.308	5.088	42.5	44.8	37.8	9.32E	8.98	4.67E	7.218	5.228	3
4	8.638	4.688	6.188	9.438	46.1	45.7	30.7	9.37A	8.88	4.68E	8.628	5.648	4
5	9.618	5.118	6.018	20.3 B	49.8	46.0	28.8	9.40	8.85	4.67E	7.178	5.528	5
6	9.088	5.318	5.888	28.8 B	54.0	46.1	28.1	9.28	8.88	4.68A	7.688	5.328	6
7	8.708	5.618	6.138	34.6 B	57.1	45.1	28.0	8.98	8.98	4.08	7.088	5.188	7
8	8.638	5.638	6.288	48.5 B	60.8	44.7	27.8	8.78	8.88A	4.04	6.488	4.888	8
9	8.848	5.618	6.358	49.5 B	63.0	43.9	24.8	8.78	8.88E	4.07	4.888	4.888	9
10	10.2 B	5.888	6.848	41.0 B	62.8	44.1	21.3	8.86	8.83E	4.06	5.578	4.888	10
11	10.1 B	5.748	5.838	36.7 B	61.7	44.8	20.4	8.88	8.80E	4.04	4.078	4.308	11
12	9.848	6.008	5.438	32.3	60.4	46.5	20.4	8.88	8.80E	4.08	3.248	3.888	12
13	10.1 B	6.728	5.308	28.8	60.8	47.8	20.8	8.86	4.88E	4.09	4.678	4.188	13
14	10.2 B	6.788	5.178	32.3	60.3	47.8	18.3	8.81	4.80E	4.28	8.578	4.748	14
15	10.4 B	6.808	4.438	18.8	58.8	47.1	17.8 A	8.80	4.88E	4.08	7.838	5.228	15
16	10.4 B	6.038	3.888	18.4	57.3	45.8	15.7 E	8.88	4.84E	4.01	8.228	5.748	16
17	10.6 B	8.338	3.408	18.5	57.5	46.7	11.8 E	9.00	4.81E	4.02	4.838	5.738	17
18	10.8 B	8.278	3.288	26.8	56.2	48.3	9.81E	9.18	4.48E	4.12	4.888	5.888	18
19	11.1 B	8.118	3.358	31.3	58.4	48.0	9.61E	9.47	4.47E	4.18	4.618	5.468	19
20	11.2 B	8.288	3.588	31.7	59.2	45.5	9.48E	9.48	4.48E	4.12	5.388	5.828	20
21	11.2 B	8.348	3.788	33.6	58.0	45.2	9.45E	9.84	4.48E	4.10	5.738	5.848	21
22	11.0 B	8.278	4.028	36.2	52.1	45.0	9.43E	9.36	4.48E	4.07	5.978	5.118	22
23	8.448	8.018	4.188	36.6	48.6	45.0	9.40E	9.28	4.48E	4.05	5.388	5.288	23
24	7.978	5.828	4.718	36.6	48.7A	44.8	9.37E	9.18	4.51E	4.03	5.388	5.328	24
25	7.428	8.088	5.788	36.6	50.8A	44.4	9.37E	9.08	4.52E	4.01	8.268	5.128	25
26	5.958	5.818	6.888	35.3	48.5	44.1	9.34E	8.93	4.54E	3.508	6.118	5.188	26
27	4.778	4.808	6.318	35.2	49.2	43.8	9.34E	8.75	4.58E	3.118	6.108	5.038	27
28	4.808	4.448	8.288	35.1	49.5	43.5	9.34E	8.80	4.58E	3.088	5.978	5.588	28
29	4.748	8.358	8.438	34.8	48.7	43.5	9.32E	8.91	4.61E	3.188	5.178	5.488	29
30	5.058		8.648	35.1	45.2	43.4	9.32E	8.95	4.63E	4.728	4.588	5.678	30
31	5.388		8.828		45.5		9.28E	9.10		8.838		8.068	31
TOTAL	277.81	183.18	172.54	857.80	1 847.4	1 353.8	571.84	281.83	187.01	128.83	177.41	188.39	TOTAL
MEAN	8.96	8.83	8.87	28.8	83.1	45.1	18.4	9.09	8.23	4.19	5.81	8.27	MEAN
MAX	11.2	8.34	8.28	48.5	83.0	47.8	43.5	9.84	9.08	8.83	7.88	8.32	MAX
MIN	4.74	4.44	3.28	8.20	36.8	43.4	8.28	8.78	4.45	3.08	3.24	3.88	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.4
MAXIMUM DAILY, 83.0 ON MAY 8
MINIMUM DAILY, 3.088 ON OCT 28
MAXIMUM INSTANTANEOUS,
83.8 AT 18:04 CST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 38 N
LONG 101 02 08 W
DRAINAGE AREA, 78 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 000	JUL	49 400
FEB	16 100	AUG	24 400
MAR	14 900	SEP	16 200
APR	74 100	OCT	11 200
MAY	142 000	NOV	15 300
JUN	117 000	DEC	14 400

TOTAL DISCHARGE, 517 000 dam³

ASSINIBOINE RIVER NEAR RUSSELL - STATION NO. 05ME001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.638	5.148	2.888	3.088	31.8	41.7	30.1	8.43	8.28	2.70	4.88	8.378	1
2	10.8 B	5.248	2.088	8.888	34.8	41.8	24.8	8.83	8.26	2.69	5.00	8.348	2
3	8.618	5.218	1.878	8.238	36.0	42.0	24.3	8.88	8.27	2.71	5.08	5.118	3
4	8.288	5.088	1.808	11.8 B	41.1	42.8	24.2	8.48	8.24	2.67	5.21	5.128	4
5	8.458	5.028	1.748	18.1 B	41.8	43.3	24.0	8.47	8.27	2.66	5.14	5.038	5
6	8.618	5.088	1.618	16.7 B	42.8	41.8	24.1	8.42	8.22	2.68	5.08	4.888	6
7	8.858	5.288	1.418	15.7 B	43.8	42.4	18.8	8.82	8.27	2.67	5.21	5.188	7
8	8.588	5.238	1.238	13.0 B	43.8	42.7	17.3	8.48	8.22	2.70	5.12	5.328	8
9	8.488	5.188	1.208	8.80	41.8	43.2	16.8	8.48	8.24	2.71	5.14	5.888	9
10	8.778	4.868	2.228	8.83	42.8	44.8	16.8	8.81	8.18	2.88	5.13	8.088	10
11	8.858	5.038	1.878	5.38	45.8	46.3	16.3	8.46	3.78	2.88	8.81	8.188	11
12	10.2 B	5.328	1.808	4.82	46.3	46.8	10.8	8.81	3.88	2.70	8.20	8.818	12
13	10.3 B	8.888	1.088	4.84	44.2	46.8	9.28	8.47	2.80	2.74	5.84	5.388	13
14	10.8 B	5.808	1.288	3.88	43.8	46.8	9.81	8.46	2.88	2.74	4.888	5.288	14
15	11.1 B	5.418	1.418	11.3	47.2	46.3	9.88	8.46	2.84	2.78	3.888	5.388	15
16	11.5 B	5.478	1.308	24.4	46.3	46.8	8.88	8.45	2.84	2.77	5.188	5.748	16
17	11.1 B	5.888	1.428	26.8	46.8	44.8	8.81	8.81	2.84	2.77	5.438	5.888	17
18	10.8 B	5.898	1.398	26.8	46.1	44.8	8.87	8.48	2.80	2.78	5.418	5.858	18
19	10.8 B	5.898	1.328	30.4	47.8	44.7	8.84	8.42	2.78	2.71	8.078	5.888	19
20	7.588	4.828	1.888	31.8	48.7	44.4	8.82	8.41	2.77	2.78	8.368	8.898	20
21	8.588	5.188	1.388	32.1	42.4	44.4	8.84	8.42	2.74	2.70	8.048	8.708	21
22	8.318	5.848	1.848	32.1	42.8	44.2	8.47	8.40	2.80	2.78	8.828	8.748	22
23	4.128	2.738	1.848	32.1	43.4	44.2	8.48	8.38	2.78	2.78	5.888	8.788	23
24	5.318	3.038	2.888	32.2	41.4	44.2	8.43	8.32	2.77	2.78	5.308	8.438	24
25	4.808	3.888	2.858	32.0	43.0	43.8	8.48	8.31	2.74	3.84	8.088	8.248	25
26	5.118	3.418	2.318	32.1	42.7	43.7	8.42	8.34	2.78	4.48	5.188	8.288	26
27	5.828	3.818	3.888	32.0	38.4	43.7	8.38	8.34	2.73	4.88	5.338	8.898	27
28	5.388	3.648	3.208	31.8	38.3	43.4	8.48	8.28	2.77	4.88	5.488	8.878	28
29	5.288	3.198	2.028	31.8	38.8	43.1	8.48	8.32	2.78	8.27	5.488	8.818	29
30	4.748		1.888	31.7	37.4	42.8	8.45	8.28	2.74	8.78	8.878	8.718	30
31	4.198		1.308		38.8		8.50	8.30		8.88		8.848	31
TOTAL	258.58	138.44	88.88	585.83	1 311.1	1 318.4	411.85	281.87	137.48	88.88	188.84	171.40	TOTAL
MEAN	8.28	4.81	1.83	18.8	42.3	43.8	13.3	8.44	4.88	3.18	8.32	8.83	MEAN
MAX	11.5	5.88	3.88	32.2	48.3	46.3	30.1	8.81	8.28	5.78	8.38	8.18	MAX
MIN	4.12	2.73	1.08	3.08	31.8	41.7	8.38	8.28	2.73	2.88	3.88	4.88	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.4
MAXIMUM DAILY, 48.3 ON MAY 18
MINIMUM DAILY, 1.088 ON MAR 13
MAXIMUM INSTANTANEOUS,
48.1 AT 00:84 CST ON MAY 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 38 N
LONG 101 28 10 W
DRAINAGE AREA, 18 300 km²
B - ICE CONDITIONS
REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	22 200	JUL	35 800
FEB	12 000	AUG	22 800
MAR	4 800	SEP	11 800
APR	51 500	OCT	8 840
MAY	113 000	NOV	13 800
JUN	114 000	DEC	14 800

TOTAL DISCHARGE, 425 000 dam³

ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE - STATION NO. 05KE005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	281.738	281.756	281.767	281.821	281.868	281.868	281.866	281.854	281.810	281.787	281.873	281.861	1
2	281.740	281.760	281.764	281.821	281.868	281.870	281.871	281.847	281.808	281.784	281.875	281.863	2
3	281.741	281.759	281.758	281.828	281.868	281.871	281.869	281.851	281.803	281.788	281.869	281.860	3
4	281.732	281.763	281.765	281.828	281.870	281.870	281.868	281.846	281.798	281.782	281.867	281.858	4
5	281.736	281.762	281.781	281.833	281.870	281.872	281.860	281.846	281.783	281.749	281.868	281.861	5
6	281.736	281.761	281.780	281.830	281.871	281.867	281.859	281.829	281.787	281.750	281.865	281.861	6
7	281.738	281.760	281.780	281.827	281.877	281.860	281.864	281.845	281.783	281.745	281.874	281.866	7
8	281.735	281.760	281.781	281.835	281.876	281.861	281.863	281.834	281.849	281.744	281.867	281.868	8
9	281.735	281.762	281.783	281.848	281.876	281.864	281.871	281.827	281.809	281.748	281.878	281.864	9
10	281.737	281.759	281.783	281.844	281.871	281.868	281.865	281.827	281.798	281.742	281.877	281.853	10
11	281.740	281.758	281.783	281.842	281.873	281.869	281.860	281.823	281.784	281.729	281.869	281.864	11
12	281.741	281.762	281.783	281.848	281.872	281.874	281.862	281.821	281.781	281.725	281.870	281.862	12
13	281.739	281.767	281.783	281.848	281.869	281.869	281.863	281.818	281.785	281.729	281.875	281.869	13
14	281.748	281.764	281.781	281.844	281.870	281.865	281.864	281.818	281.784	281.728	281.873	281.866	14
15	281.747	281.763	281.781	281.843	281.871	281.863	281.860	281.823	281.782	281.733	281.871	281.868	15
16	281.750	281.769	281.782	281.848	281.868	281.869	281.868	281.808	281.781	281.731	281.868	281.862	16
17	281.747	281.771	281.780	281.847	281.869	281.873	281.860	281.808	281.787	281.726	281.867	281.857	17
18	281.748	281.775	281.787	281.846	281.875	281.874	281.861	281.804	281.790	281.727	281.867	281.859	18
19	281.748	281.778	281.788	281.848	281.873	281.864	281.868	281.787	281.781	281.721	281.863	281.860	19
20	281.743	281.773	281.782	281.847	281.874	281.875	281.861	281.795	281.778	281.723	281.861	281.864	20
21	281.748	281.778	281.782	281.848	281.875	281.873	281.868	281.788	281.773	281.708	281.864	281.864	21
22	281.742	281.783	281.780	281.847	281.870	281.863	281.862	281.838	281.762	281.707	281.866	281.871	22
23	281.747	281.784	281.790	281.846	281.861	281.861	281.860	281.848	281.778	281.712	281.866	281.873	23
24	281.751	281.782	281.798	281.851	281.851	281.864	281.874	281.848	281.777	281.708	281.873	281.872	24
25	281.748	281.780	281.798	281.853	281.867	281.870	281.872	281.839	281.772	281.700	281.872	281.868	25
26	281.748	281.783	281.798	281.857	281.863	281.865	281.877	281.835	281.770	281.690	281.867	281.868	26
27	281.745	281.788	281.797	281.855	281.868	281.851	281.870	281.830	281.788	281.681	281.864	281.871	27
28	281.748	281.788	281.813	281.855	281.880	281.860	281.873	281.821	281.785	281.684	281.858	281.869	28
29	281.754	281.780	281.820	281.856	281.895	281.857	281.873	281.815	281.785	281.678	281.851	281.868	29
30	281.753		281.821	281.851	281.851	281.858	281.868	281.802	281.788	281.673	281.858	281.867	30
31	281.757		281.818		281.880		281.868	281.807		281.677		281.868	31
MEAN	281.744	281.770	281.794	281.843	281.868	281.867	281.874	281.828	281.786	281.723	281.868	281.862	MEAN
MAX	281.757	281.788	281.821	281.851	281.877	281.894	281.896	281.854	281.849	281.787	281.887	281.873	MAX
MIN	281.732	281.758	281.782	281.821	281.851	281.851	281.858	281.795	281.785	281.673	281.858	281.853	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MEAN, 281.788
MAXIMUM DAILY, 281.896 ON JUL 18
MINIMUM DAILY, 281.853 ON DEC 10
MAXIMUM INSTANTANEOUS,
281.935 AT 22:28 CST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 00 N
LONG 101 23 00 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

BACK LAKE NEAR OXFORD HOUSE - STATION NO. 04AA003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	188.988	187.027	187.083	187.074	187.082	187.402	187.385	187.143	187.000	---	188.858	188.830	1
2	188.986	187.028	187.067	187.080	187.086	187.415E	187.385	187.137	188.998	---	188.857	188.830	2
3	188.990	187.033	187.086	187.086	187.083	187.440E	187.386	187.131	188.988	---	188.857	188.830	3
4	188.993	187.038	187.082	187.082	187.107	187.480E	187.348	187.148	188.988	---	188.858	188.831	4
5	188.983	187.037	187.070	187.079	187.135	187.488	187.332	187.148	188.980	---	188.858	188.828	5
6	188.981	187.034	187.073	187.078	187.181	187.427	187.323	187.158	188.978	188.858A	188.857	188.826	6
7	188.980	187.030	187.087	187.084	187.187	187.422	187.318	187.133	188.973	188.848	188.865	188.828	7
8	188.980	187.028	187.078	187.080	187.204	187.458	187.343	187.148	188.988	188.838	188.872	188.831	8
9	188.983	187.028	187.084	187.083	187.218	187.467	187.352	187.138	187.003	188.847	188.880	188.831	9
10	188.988	187.028	187.084	187.081	187.228	187.483	187.322	187.132	187.011A	188.848	188.878	188.824	10
11	188.988	187.028	187.083	187.086	187.238	187.480	187.318	187.118	---	188.825	188.878	188.828	11
12	188.987	187.028	187.083	187.084	187.257	187.438	187.304	187.100	---	188.821	188.874	188.827	12
13	187.001	187.034	187.082	187.088	187.271	187.471	187.261	187.090	---	188.821	188.874	188.818	13
14	187.003	187.030	187.082	187.078	187.285	187.478	187.225	187.091	---	188.824	188.877	188.810	14
15	187.002	187.027	187.081	187.076	187.285	187.488	187.228	187.088	---	188.821	188.880	188.807	15
16	187.002	187.037	187.081	187.073	187.308	187.488	187.233	187.091	---	188.823	188.888	188.807	16
17	187.003	187.048	187.078	187.082	187.322	187.487	187.218	187.088	---	188.817	188.888	188.808	17
18	187.004	187.057	187.076	187.087	187.328	187.478	187.220	187.078	---	188.814	188.872	188.810	18
19	187.008	187.058	187.078	187.082	187.330	187.476	187.208	187.072	---	188.818	188.888	188.808	19
20	187.010	187.060	187.080	187.084	187.343	187.462	187.205	187.088	---	188.820	188.883	188.808	20
21	187.018	187.062	187.082	187.084	187.388	187.452	187.187	187.053	---	188.828	188.887	188.811	21
22	187.020	187.064	187.083	187.080	187.370	187.433	187.181	187.033	---	188.808	188.887	188.808	22
23	187.013	187.068	187.078	187.082	187.378	187.431	187.177	187.026	---	188.805	188.881	188.812	23
24	187.015	187.068	187.078	187.083	187.388	187.418	187.178	187.042	---	188.820	188.848	188.826	24
25	187.018	187.068	187.081	187.080	187.388	187.413	187.188	187.042	---	188.823	188.880	188.831	25
26	187.028	187.070	187.084	187.068	187.388	187.425	187.189	187.041	---	188.821	188.882	188.828	26
27	187.028	187.078	187.080	187.068	187.388	187.424	187.184	187.038	---	188.817	188.882	188.830	27
28	187.026	187.075	187.081	187.087	187.388	187.384	187.159	187.024	---	188.808	188.848	188.838	28
29	187.026	187.088	187.088	187.088	187.402	187.383	187.158	187.012	---	188.884	188.828	188.838	29
30	187.028		187.088	187.087	187.402	187.383	187.158	187.007	---	188.875	188.834	188.842	30
31	187.027		187.082		187.388		187.147	187.000		188.883		188.847	31
MEAN	187.008	187.048	187.071	187.088	187.280	187.443	187.248	187.084	---	---	188.883	188.824	MEAN
MAX	187.028	187.078	187.084	187.084	187.402	187.487	187.388	187.158	---	---	188.880	188.847	MAX
MIN	188.988	187.027	187.080	187.068	187.082	187.383	187.147	187.000	---	---	188.834	188.807	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 187.487 ON JUN 17
MINIMUM DAILY, 188.807 ON DEC 15
MAXIMUM INSTANTANEOUS,
187.497 AT 18:00 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 58 30 N
LONG 95 14 50 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -188.807 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

BADGER CREEK NEAR CARTWRIGHT - STATION NO. 05GA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0158	0.0018	0.0028	0.0448	0.008	0.011	0.008	0	0	0	0	0B	1
2	0.0148	0.0018	0.0028	0.0588	0.008	0.018	0.007	0	0	0	0	0B	2
3	0.0128	0.0018	0.0018	0.1158	0.007	0.018	0.003	0	0	0	0	0B	3
4	0.0118	0.0018	0.0018	0.2778	0.008	0.014	0	0	0	0	0	0B	4
5	0.0108	0.0018	0.0018	0.281	0.008	0.008	0	0	0	0	0	0B	5
6	0.0088	0.0018	0.0188	0.383	0.010	0.008	0	0	0	0	0	0B	6
7	0.0078	0.0018	0.0268	0.383	0.011	0.008	0	0	0	0	0	0B	7
8	0.0068	0.0018	0.0388	0.218	0.018	0.008	0	0	0	0	0	0B	8
9	0.0048	0.0018	0.0368	0.108	0.028	0.004	0	0	0	0	0	0B	9
10	0.0028	0.0018	0.0378	0.081	0.022	0.004	0	0	0	0	0	0B	10
11	0.0018	0.0018	0.0408	0.072	0.018	0.008	0	0	0	0	0	0B	11
12	0.0018	0.0018	0.0288	0.063	0.021	0.004	0	0	0	0	0	0B	12
13	0.0018	0.0018	0.0208	0.047	0.017	0.008	0	0	0	0	0	0B	13
14	0.0018	0.0018	0.0178	0.042	0.008	0.008	0	0	0	0	0	0B	14
15	0.0018	0.0018	0.0158	0.036	0.017	0.010	0	0	0	0	0	0B	15
16	0.0018	0.0018	0.0158	0.030	0.017	0.010	0	0	0	0	0B	0B	16
17	0.0018	0.0018	0.0148	0.027	0.018	0.008	0	0	0	0	0B	0B	17
18	0.0018	0.0018	0.0148	0.028	0.014	0.008	0	0	0	0	0B	0B	18
19	0.0018	0.0018	0.0128	0.021	0.017	0.010	0	0	0	0	0B	0B	19
20	0.0018	0.0018	0.0158	0.018	0.018	0.008	0	0	0	0	0B	0B	20
21	0.0018	0.0018	0.0178	0.017	0.030	0.010	0	0	0	0	0B	0B	21
22	0.0018	0.0018	0.0218	0.018	0.021	0.013	0	0	0	0	0B	0B	22
23	0.0018	0.0018	0.0258	0.017	0.018	0.013	0	0	0	0	0B	0B	23
24	0.0018	0.0018	0.0328	0.014	0.012	0.010	0	0	0	0	0B	0B	24
25	0.0018	0.0018	0.0368	0.013	0.008	0.008	0	0	0	0	0B	0B	25
26	0.0018	0.0018	0.0408	0.012	0.008	0.011	0	0	0	0	0B	0B	26
27	0.0018	0.0028	0.0398	0.010	0.007	0.004	0	0	0	0	0B	0B	27
28	0.0018	0.0038	0.0428	0.008	0.004	0.003	0	0	0	0	0B	0B	28
29	0.0018	0.0028	0.0438	0.007	0.004	0.003	0	0	0	0	0B	0B	29
30	0.0018		0.0408	0.006	0.008	0.008	0	0	0	0	0B	0B	30
31	0.0018		0.0408		0.008		0	0		0		0B	31
TOTAL	0.108	0.033	0.724	2.440	0.405	0.257	0.018	0	0	0	0	0	TOTAL
MEAN	0.004	0.001	0.023	0.081	0.013	0.009	0.001	0	0	0	0	0	MEAN
MAX	0.015	0.003	0.043	0.383	0.028	0.018	0.008	0	0	0	0	0	MAX
MIN	0.001	0.001	0.001	0.006	0.004	0.003	0	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.383 ON APR 6
MINIMUM DAILY, 0 ON JUL 4
MAXIMUM INSTANTANEOUS,
0.407 AT 10:15 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 15 N
LONG 99 15 22 W
DRAINAGE AREA, 1 510 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9.42	JUL	1.84
FEB	2.85	AUG	0
MAR	62.8	SEP	0
APR	211	OCT	0
MAY	35.0	NOV	0
JUN	22.2	DEC	0

TOTAL DISCHARGE, 345 dam³

BALD HILL RESERVOIR NEAR MCCREARY - STATION NO. 05LJ803

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	708.245	708.848	708.188	707.838	708.538	708.832	---	---	1
2	---	---	---	---	710.852	708.843	708.181	707.813	708.517	708.781	---	---	2
3	---	---	---	---	711.108	708.840	708.127	707.810	708.511	708.818	---	---	3
4	---	---	---	---	710.881	708.837	708.102	707.801	708.488	708.831	---	---	4
5	---	---	---	---	710.242	708.834	708.148	707.888	708.483	708.818	---	---	5
6	---	---	---	---	708.278	708.822	708.233	707.871	708.474	708.800	---	---	6
7	---	---	---	---	710.888	708.784	708.520	707.888	708.488	708.781	---	---	7
8	---	---	---	---	710.845	708.778	708.844	707.840	708.441	708.788	---	---	8
9	---	---	---	---	710.483	708.778	708.492	707.834	708.428	708.782	---	---	9
10	---	---	---	---	708.270	708.727	708.488	707.831	708.418	708.778	---	---	10
11	---	---	---	---	708.682	708.778	708.471	707.828	708.881	708.778	---	---	11
12	---	---	---	---	708.888	708.751	708.447	707.826	708.881	708.778	---	---	12
13	---	---	---	---	708.888	708.700	708.587	707.825	708.888	708.778	---	---	13
14	---	---	---	---	708.883	708.887	708.582	707.828	708.828	708.778	---	---	14
15	---	---	---	---	708.888	708.748	708.514	707.827	708.782	708.773	---	---	15
16	---	---	---	---	708.888	708.788	708.482	707.818	708.787	708.778	---	---	16
17	---	---	---	---	708.878	708.718	708.401	707.818	708.781	708.772	---	---	17
18	---	---	---	708.840A	708.870	708.814	708.348	707.834	708.784	708.773	---	---	18
19	---	---	---	708.837	708.873	708.888	708.340	707.825	708.831	708.773	---	---	19
20	---	---	---	708.825	708.887	708.811	708.328	708.124	708.888	708.773	---	---	20
21	---	---	---	708.825	708.881	708.447	708.281	708.482	708.881	708.773	---	---	21
22	---	---	---	708.825	708.888	708.382	708.235	708.822	708.882	708.778	---	---	22
23	---	---	---	708.831	708.885	708.388	708.172	708.803	708.837	708.770	---	---	23
24	---	---	---	708.882	708.882	708.352	708.117	708.770	708.800	708.784	---	---	24
25	---	---	---	708.837	708.848	708.303	708.078	708.748	708.787	708.788	---	---	25
26	---	---	---	708.848	708.848	708.281	708.047	708.721	708.803A	708.751A	---	---	26
27	---	---	---	708.840	708.848	708.227	708.023	708.721	708.828	---	---	---	27
28	---	---	---	708.888	708.843	708.230	708.002	708.897	708.840	---	---	---	28
29	---	---	---	708.901	708.843	708.224	707.977	708.848	708.848	---	---	---	29
30	---		---	708.889	708.840	708.178	707.988	708.887	708.843	---	---	---	30
31	---		---		708.843		707.944	708.844		---		---	31
MEAN	---	---	---	---	708.323	708.888	708.287	708.188	708.702	---	---	---	MEAN
MAX	---	---	---	---	711.108	708.848	708.887	708.822	708.881	---	---	---	MAX
MIN	---	---	---	---	708.840	708.178	707.944	707.818	708.418	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 711.108 ON MAY 3
MINIMUM DAILY, 707.818 ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 18 N
LONG 99 40 00 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED SINCE 1961

DRAINAGE AREA,
2.58 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BARRINGTON RIVER BELOW FIRST RAPIDS - STATION NO. 05ED003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.48	3.87	3.08	2.72	4.07	11.3	18.3	14.2	13.4	8.80	8.91	7.47	1
2	4.48	3.85	3.04	2.77	4.73	11.4	18.0	14.0	13.3	8.80	7.07	7.46	2
3	4.44	3.85	3.04	2.77	5.54	11.6	18.1	13.8	13.2	8.81	7.28	7.48	3
4	4.37	3.83	3.00	2.88	6.52	11.4	18.1	13.8	12.9	8.89	7.28	7.39	4
5	4.30	3.78	3.01	3.04	7.51	11.5	18.2	13.5	12.8	8.88	7.32	7.33	5
6	4.31	3.72	2.98	3.01	8.87	11.8	18.2	13.2	12.4	8.87	7.38	7.35	6
7	4.18	3.88	2.87	2.88	10.6	12.2	18.7	14.2	12.1	8.41	7.41	7.38	7
8	4.08	3.88	3.00	3.08	12.3	13.0	17.0	14.4	11.8	8.36	7.58	7.38	8
9	4.07	3.87	2.98	3.38	14.3	13.8	17.2	14.3	11.6	8.85	7.67	7.26	9
10	4.04	3.84	2.93	3.35	16.0	14.6	17.6	14.6	11.8	8.17	7.70	7.12	10
11	4.01	3.48	2.88	3.28	16.8	14.7	17.8	15.3	11.4	7.80	7.70	7.12	11
12	4.00	3.44	2.88	3.34	16.4	14.9	17.6	16.2	11.2	7.67	7.71	7.08	12
13	3.92	3.48	2.82	3.31	15.7	16.7	17.2	16.8	11.4	7.66	7.72	7.03	13
14	3.85	3.40	2.80	3.27	14.5	15.9	17.3	17.2	10.8	7.70	7.71	7.03	14
15	3.78	3.39	2.78	3.27	13.6	18.2	17.0	17.4	10.8	7.62	7.70	7.03	15
16	3.80	3.41	2.80	3.28	12.8	18.4	16.9	17.2	10.8	7.88	7.70	7.01	16
17	3.80	3.38	2.78	3.28	12.1	18.3	16.7	16.9	10.5	7.52	7.71	6.98	17
18	3.81	3.40	2.70	3.23	11.6	18.2	16.5	16.5	10.4	7.48	7.71	7.02	18
19	3.84	3.40	2.88	3.20	11.0	18.6	16.4	16.0	10.2	7.43	7.71	7.01	19
20	3.90	3.38	2.81	3.18	10.8	17.0	16.2	15.5	10.1	7.48	7.71	7.00	20
21	4.07	3.34	2.81	3.18	10.5	17.2	16.1	15.0	9.84	7.58	7.72	7.01	21
22	4.11	3.31	2.70	3.14	10.5	17.3	16.9	14.8	9.78	7.52	7.73	7.18	22
23	4.08	3.28	2.88	3.12	10.1	17.2	16.8	15.0	9.81	7.95	7.68	7.21	23
24	4.09	3.24	2.87	3.14	10.4	17.2	16.4	14.8	9.71	7.55	7.65	7.22	24
25	4.08	3.13	2.84	3.12	10.8	17.2	14.9	14.9	9.89	7.44	7.64	7.21	25
26	4.08	3.17	2.80	3.08	10.8	17.3	15.0	14.9	9.30	7.53	7.61	7.22	26
27	4.02	3.18	2.85	3.08	10.7	17.1	14.8	14.8	8.21	7.83	7.60	7.22	27
28	3.88	3.21	2.80	3.17	10.8	16.7	14.8	14.8	8.01	7.88	7.69	7.25	28
29	3.86	3.12	2.73	3.27	10.8	16.7	14.3	14.4	8.84	7.46	7.58	7.23	29
30	3.87		2.78	3.49	10.8	16.4	14.1	14.0	9.07	7.14	7.48	7.23E	30
31	3.88		2.70		10.8		14.3	13.7		6.93		7.23E	31
TOTAL	126.85	100.30	87.00	94.37	341.87	482.7	500.1	486.8	327.28	245.08	226.85	233.08	TOTAL
MEAN	4.09	3.58	2.81	3.15	11.0	16.1	16.1	15.0	10.9	7.81	7.57	7.20	MEAN
MAX	4.48	3.87	3.08	3.49	16.8	17.3	17.8	17.4	13.4	8.81	7.73	7.48	MAX
MIN	3.78	3.12	2.85	2.72	4.07	11.3	14.1	13.2	8.84	6.93	6.81	6.98	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.72
MAXIMUM DAILY, 17.8 ON JUL 11
MINIMUM DAILY, 2.85 ON MAR 27
MAXIMUM INSTANTANEOUS,
17.8 AT 11:35 CST ON JUL 11

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 45 50 N
LONG 88 58 35 W
DRAINAGE AREA, 1 770 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	10 800	JUL	43 200
FEB	8 670	AUG	40 200
MAR	7 520	SEP	28 300
APR	8 150	OCT	21 200
MAY	29 500	NOV	19 600
JUN	38 100	DEC	19 300

TOTAL DISCHARGE, 278 000 dam³

BEAVER CREEK EAST OF BEAVER - STATION NO. 05LL026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0838	0.012	0.003	0	0	0E	0	---	---	1
2	---	---	0 B	0.1278	0.044	0.002	0	0	0E	0	---	---	2
3	---	---	0 B	0.1208	0.058	0.003	0	0	0E	0	---	---	3
4	---	---	0.0028	0.4088	0.086	0.002	0	0	0E	0	---	---	4
5	---	---	0.0048	1.23 B	0.181	0.001	0	0	0E	0	---	---	5
6	---	---	0.0028	0.6388	0.167	0.001	0	0	0E	0	---	---	6
7	---	---	0.0018	0.7788	0.139	0.001	0.018	0	0E	0	---	---	7
8	---	---	0.0018	0.8848	0.471	0.001	0	0	0E	0	---	---	8
9	---	---	0.0028	0.3888	0.848	0.001	0	0	0E	0	---	---	9
10	---	---	0.0048	0.2618	0.831	0	0	0	0E	0	---	---	10
11	---	---	0.0188	0.2288	0.883	0	0	0	0E	0	---	---	11
12	---	---	0.0088	0.212	0.598	0	0	0	0E	0	---	---	12
13	---	---	0.0018	0.184	0.369	0	0	0	0E	0	---	---	13
14	---	---	0 B	0.162	0.334	0	0	0	0E	0	---	---	14
15	---	---	0 B	0.184	0.327	0	0	0	0E	0	---	---	15
16	---	---	0 B	0.102	0.288	0	0	0	0E	0	---	---	16
17	---	---	0 B	0.072	0.181	0	0	0	0E	0	---	---	17
18	---	---	0 B	0.054	0.218	0	0	0	0E	0	---	---	18
19	---	---	0 B	0.046	0.156	0	0	0	0E	0	---	---	19
20	---	---	0.0018	0.031	0.128	0	0	0	0E	0	---	---	20
21	---	---	0.0048	0.022	0.118	0	0	0	0E	0	---	---	21
22	---	---	0.0178	0.028	0.092	0	0	0	0E	0	---	---	22
23	---	---	0.0488	0.048	0.088	0	0	0	0E	0	---	---	23
24	---	---	0.0338	0.064	0.048	0	0	0	0E	0	---	---	24
25	---	---	0.0128	0.029	0.032	0	0	0	0E	0	---	---	25
26	---	---	0.0088	0.027	0.027	0	0	0	0E	0	---	---	26
27	---	---	0.0048	0.031	0.022	0	0	0E	0E	0	---	---	27
28	---	---	0.0038	0.024	0.014	0	0	0E	0E	0	---	---	28
29	---	---	0.0038	0.018	0.008	0	0	0E	0A	0	---	---	29
30	---		0.0088	0.012	0.008	0	0	0E	0	0	---	---	30
31	---		0.0148		0.012		0	0E		0		---	31
TOTAL	---	---	0.185	8.272	8.388	0.015	0.018	0	0	0	---	---	TOTAL
MEAN	---	---	0.006	0.209	0.208	0.001	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.048	1.23	0.848	0.003	0.018	0	0	0	---	---	MAX
MIN	---	---	0	0.012	0.008	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.053
MAXIMUM DAILY, 1.238 ON APR 5
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
1.278 AT 08:45 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 04 00 N
LONG 88 37 40 W
DRAINAGE AREA, 289 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1.38
FEB	---	AUG	0
MAR	16.0	SEP	0
APR	843	OCT	0
MAY	852	NOV	---
JUN	1.38	DEC	---

TOTAL DISCHARGE, 1 110 dam³

BEAVER LAKE NEAR PINE RIVER - STATION NO. 05LG801

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	701.084A	701.141	701.070	701.003	700.978	700.958	---	1
2	---	---	---	---	---	701.087	701.138	701.070	700.987	700.978	700.958	---	2
3	---	---	---	---	---	701.070	701.138	701.073	700.984	700.978	700.958	---	3
4	---	---	---	---	---	701.070	701.136	701.070	700.984	700.978	700.958	---	4
5	---	---	---	---	---	701.070	701.135	701.084	700.991	700.978	700.991	---	5
6	---	---	---	---	---	701.070	701.138	701.081	700.988	700.978	700.987	---	6
7	---	---	---	---	---	701.088	701.141	701.088	700.982	700.978	700.987A	---	7
8	---	---	---	---	---	701.092	701.135	701.082	700.978	700.978	---	---	8
9	---	---	---	---	702.585A	701.088	701.131	701.028	700.987	700.978	---	---	9
10	---	---	---	---	---	701.086	701.126	701.010	700.984	700.973	---	---	10
11	---	700.945A	---	---	701.845A	701.107	701.125	701.006	700.984	700.973	---	---	11
12	---	---	---	---	701.671A	701.110	701.122	701.003	700.984	700.973	---	---	12
13	---	---	---	---	701.286A	701.107	701.125	701.000	700.984	700.973	---	---	13
14	---	---	---	701.037A	---	701.107A	701.125	700.997	700.981	700.987	---	---	14
15	---	---	---	---	---	701.125	701.128	700.994	700.981	700.987	---	---	15
16	---	---	---	---	---	701.131	701.128	700.997	700.981	700.987	---	---	16
17	---	---	---	---	---	701.135	701.126	701.006	700.981	700.987	---	---	17
18	---	---	---	---	---	701.141	701.131	701.003	700.958	700.987	---	---	18
19	---	---	---	---	700.808A	701.138	701.126	701.006	700.981	700.984	---	---	19
20	---	---	---	---	---	701.138	701.135	701.006	700.958	700.984	---	---	20
21	---	---	---	---	---	701.138	701.122	701.010	700.981	700.984	---	---	21
22	---	---	---	---	---	701.138	701.118	701.016	700.981	700.984	---	---	22
23	---	---	---	---	---	701.138	701.113	701.022	700.981	700.981	---	---	23
24	---	---	---	---	700.987A	701.141	701.107	701.022	700.984	700.981	---	---	24
25	---	---	---	---	---	701.144	701.104	701.019	700.987	700.958	---	---	25
26	---	---	---	---	---	701.144	701.101	701.019	700.978	700.985	---	---	26
27	---	---	---	---	---	701.141	701.086	701.019	700.978	700.985	---	---	27
28	---	---	---	---	---	701.144	701.092	701.016	700.978	700.981	---	---	28
29	---	---	---	---	---	701.144	701.088	701.013	700.978	700.981	---	---	29
30	---		---	---	---	701.141	701.080	701.010	700.978	700.985	---	---	30
31	---		---		---		701.073	701.003		700.958		---	31
MEAN	---	---	---	---	---	701.114	701.120	701.024	700.973	700.985	---	---	MEAN
MAX	---	---	---	---	---	701.144	701.141	701.073	701.003	700.978	---	---	MAX
MIN	---	---	---	---	---	701.084	701.073	700.984	700.958	700.985	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 46 02 N
LONG 100 50 09 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED SINCE 1966

DRAINAGE AREA,
8.83 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BELL LAKE NEAR NOVRA - STATION NO. 05LP801

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	881.784	880.338E	880.173E	880.093E	880.084E	---	---	1
2	---	---	---	---	---	881.708E	880.335E	880.168E	880.088E	880.085E	---	---	2
3	---	---	---	---	---	881.848E	880.330E	880.164	880.084E	880.087E	---	---	3
4	---	---	---	---	---	881.588E	880.325E	880.157E	880.080E	880.088E	---	---	4
5	---	---	---	---	882.256	881.631E	880.320E	880.150E	880.078E	880.089E	---	---	5
6	---	---	---	---	---	881.472E	880.315E	880.142E	880.071E	880.081	---	---	6
7	---	---	---	---	---	881.414	880.311	880.135E	880.067	880.088E	880.021	---	7
8	---	---	---	---	---	881.385E	880.307E	880.127E	880.065E	880.088E	---	---	8
9	---	---	---	---	---	881.315E	880.303E	880.120E	880.063E	880.088E	---	---	9
10	---	---	---	---	---	881.288E	880.299E	880.113	880.061E	880.085E	---	---	10
11	---	880.304	---	---	---	881.319E	880.295E	880.113	880.058E	880.063E	---	---	11
12	---	---	---	---	---	881.170E	880.292E	880.112E	880.057E	880.062	---	---	12
13	---	---	---	---	---	881.122E	880.288E	880.112E	880.056E	880.062E	---	---	13
14	---	---	---	---	---	881.072E	880.284E	880.112E	880.054E	880.062E	---	---	14
15	---	---	---	---	---	881.024	880.280	880.112E	880.052	880.062E	---	---	15
16	---	---	---	---	882.334	880.978E	880.273E	880.112E	880.048E	880.062E	---	---	16
17	---	---	---	---	882.301	880.928E	880.267E	880.112	880.041E	880.062E	---	---	17
18	---	---	---	---	---	880.880E	880.260E	880.112E	880.036E	880.062E	---	---	18
19	---	---	---	---	---	880.832E	880.254E	880.112E	880.031E	880.062	---	---	19
20	---	---	---	---	---	880.784E	880.247E	880.112E	880.028E	---	---	---	20
21	---	---	---	---	---	880.738E	880.240	880.112E	880.021	---	---	---	21
22	---	---	---	---	---	880.688	880.233E	880.112E	880.026E	---	---	---	22
23	---	---	---	---	---	880.648E	880.225E	880.112E	880.020E	---	---	---	23
24	---	---	---	---	883.038	880.602E	880.218E	880.112	880.032E	---	---	---	24
25	---	---	---	---	---	880.559E	880.210E	880.110E	880.038E	---	---	---	25
26	---	---	---	---	---	880.518E	880.203E	880.108E	880.040E	---	---	---	26
27	---	---	---	---	---	880.473E	880.195	880.108E	880.044E	---	---	---	27
28	---	---	---	---	---	880.430E	880.190E	880.104E	880.048E	---	---	---	28
29	---	---	---	880.759	---	880.387E	880.188E	880.102E	880.052	---	---	---	29
30	---		---	---	---	880.344	880.182E	880.100E	880.053E	---	---	---	30
31	---		---		881.784		880.177E	880.097		---		---	31
MEAN	---	---	---	---	---	881.015	880.264	880.121	880.053	---	---	---	MEAN
MAX	---	---	---	---	---	881.784	880.338	880.173	880.093	---	---	---	MAX
MIN	---	---	---	---	---	880.344	880.177	880.097	880.021	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 32 30 N
LONG 101 13 00 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1966

DRAINAGE AREA,
59.1 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1988, STN PUBLISHED AS "NEAR OUTLET"

BELL RIVER NEAR BELLSITE - STATION NO. 05LF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1888	0.2488	38.3	3.71	2.17 E	0.418	0.348	0.631	---	---	1
2	---	---	0.1888	0.3338	32.6	3.48	2.14 E	0.525	0.344	0.580	---	---	2
3	---	---	0.1888	0.4588	30.4	3.40	2.11 E	0.551	0.333	0.558	---	---	3
4	---	---	0.1888	0.5008	15.8	3.20	2.10 E	0.445	0.311	0.513	---	---	4
5	---	---	0.1888	0.5488	14.7	3.18	2.07 E	0.395	0.283	0.481	---	---	5
6	---	---	0.1888	0.5188	13.4	3.17	2.01 E	0.367	0.303	0.450	---	---	6
7	---	---	0.1888	0.4588	15.6	3.08	2.02 E	0.405	0.288	0.483	---	---	7
8	---	---	0.2118	0.3798	13.6	3.07	1.97 E	0.388	0.287	0.430	---	---	8
9	---	---	0.2488	0.4208	12.7	3.15	1.78 E	0.288	0.308	0.418	---	---	9
10	---	---	0.2058	0.4748	11.6	3.08	1.81 E	0.261	0.287	0.438	---	---	10
11	---	---	0.2008	0.6008	8.81	3.10	1.83 E	0.283	0.308	0.408	---	---	11
12	---	---	0.2008	0.7808	8.30	2.83	1.83 E	0.308	0.312	0.382	---	---	12
13	---	---	0.2008	0.8288	7.12	2.82	1.83 E	0.298	0.308	0.407	---	---	13
14	---	---	0.2008	1.09 B	7.31	2.77	1.88 E	0.274	0.278	0.383	---	---	14
15	---	---	0.2008	1.25 B	8.73	2.76	1.88 E	0.288	0.287	0.403	---	---	15
16	---	---	0.2008	1.22 B	5.79	2.73	1.32 E	0.274	0.282	0.383	---	---	16
17	---	---	0.2008	1.20 B	5.74	2.74	1.10 E	0.388	0.318	0.378	---	---	17
18	---	---	0.2008	1.11 B	5.86	2.85	0.870E	0.288	0.358	0.378	---	---	18
19	---	---	0.2008	1.01 B	5.79	2.84	0.880E	0.288	0.341	0.388	---	---	19
20	---	---	0.2008	1.03 B	5.84	2.89	0.801A	0.308	0.348	0.381	---	---	20
21	---	---	0.2058	1.03 B	5.65	2.81	0.680	0.378	0.347	0.382	---	---	21
22	---	---	0.2178	1.10 B	5.33	2.81	0.418	0.433	0.428	0.388	---	---	22
23	---	---	0.2688	1.13 B	4.98	2.82	0.388	0.432	0.483	0.383	---	---	23
24	---	---	0.2888	1.26 B	4.98	2.46	0.358	0.401	0.482	0.378	---	---	24
25	---	---	0.2528	1.38 B	4.83	2.47	0.321	0.388	0.413	0.3728	---	---	25
26	---	---	0.2208	1.83 B	4.46	2.46	0.324	0.400	0.587	0.3888	---	---	26
27	---	---	0.2118	2.41 B	4.26	2.33	0.388	0.490	0.691	0.3808	---	---	27
28	---	---	0.2068	3.74 B	4.13	2.33	0.440	0.488	0.888	0.3538	---	---	28
29	---	---	0.2068	11.2 B	3.96	2.21	0.441	0.434	0.707	0.347	---	---	29
30	---		0.2068	20.1	3.83	2.21	0.388	0.407	0.884	0.341	---	---	30
31	---		0.2178		3.82		0.412	0.373		0.3348		---	31
TOTAL	---	---	6.482	88.813	304.80	84.31	37.448	11.828	11.771	12.880	---	---	TOTAL
MEAN	---	---	0.208	2.00	9.83	2.81	1.21	0.378	0.382	0.416	---	---	MEAN
MAX	---	---	0.288	20.1	38.3	3.71	2.42	0.551	0.707	0.631	---	---	MAX
MIN	---	---	0.188	0.248	3.82	2.21	0.321	0.263	0.278	0.334	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.18
MAXIMUM DAILY, 38.3 ON MAY 1
MINIMUM DAILY, 0.1888 ON MAR 1
MAXIMUM INSTANTANEOUS,
51.8E AT 11:39 CST ON MAY 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 36 10 N
LONG 101 02 15 W
DRAINAGE AREA, 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1986

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 240
FEB	---	AUG	1 000
MAR	558	SEP	1 020
APR	5 180	OCT	1 110
MAY	26 300	NOV	---
JUN	7 280	DEC	---

TOTAL DISCHARGE, 45 700 dam³

BERENS RIVER AT OUTLET OF LONG LAKE - STATION NO. 05RD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.058	4.938	4.438	5.80E	10.2E	20.2	31.4E	28.0E	15.0E	13.4	10.5	9.41	1
2	5.858	4.888	4.368	5.70E	10.3E	20.8	31.8E	25.8E	14.8	13.5	10.4	9.44	2
3	5.838	4.778	4.328	5.80E	10.4E	21.4	32.6E	26.1E	15.8	13.6	10.3	9.32	3
4	5.748	4.748	4.338	6.10E	10.7E	21.8	33.3E	24.0E	15.5	13.7	10.3	9.34	4
5	5.888	4.738	4.388	6.20E	10.8E	22.3	33.8E	24.2E	15.2	13.6	10.2	9.37	5
6	5.648	4.698	4.388	6.40E	10.8E	22.6	34.3E	23.7E	15.0	13.5	10.1	9.34	6
7	5.508	4.678	4.398	6.88E	11.2E	22.3	34.9E	23.1E	14.7	13.5	10.1	9.30	7
8	5.478	4.838	4.378	6.80E	11.6E	21.7A	35.1E	22.8E	14.3	13.4	10.0	9.14	8
9	5.388	4.518	4.388	6.88E	11.8E	21.8E	35.3E	22.0E	14.3	13.3	9.93	9.05	9
10	5.218	4.458	4.348	7.05E	11.6E	22.0E	36.7E	21.6E	14.3	13.1	9.87	9.088	10
11	5.078	4.448	4.288	7.20E	12.2E	21.8E	36.8E	21.2E	14.2	12.8	9.81	9.108	11
12	5.028	4.458	4.148	7.21E	12.4E	21.8E	36.3E	20.8E	14.2	12.8	9.75	9.288	12
13	5.788	4.438	4.108	7.31E	12.6E	22.1E	36.8E	20.5E	14.0	12.8	9.69	9.238	13
14	5.888	4.458	4.048	7.38E	12.3E	22.3E	36.1E	20.1E	13.8	12.5	9.63	9.088	14
15	5.588	4.458	4.088	7.88E	12.3E	22.7E	36.7E	19.8E	13.7	12.3	9.60	9.088	15
16	5.488	4.518	4.088	7.78E	12.6E	23.3E	36.0E	19.4E	13.4	12.3	9.58	9.188	16
17	5.438	4.488	4.088	7.63E	13.2E	22.7E	34.6E	18.8E	13.3	12.0	9.58	9.228	17
18	5.328	4.508	4.088	7.98E	14.0E	22.8E	34.0E	18.8E	13.3	11.8	9.60	9.288	18
19	5.288	4.488	4.078	8.23E	14.8E	23.3E	33.8E	18.1E	13.3	11.7	9.60	9.328	19
20	5.278	4.428	4.088	8.38E	15.0E	24.0E	32.9E	17.7E	13.2	11.8	9.41	9.288	20
21	5.288	4.508	4.088	8.48E	15.7E	24.4E	32.3E	17.4E	13.1	11.8	9.42	9.328	21
22	5.238	4.478	4.158	8.88E	15.9E	25.1E	31.8E	17.1E	12.9	11.8	9.34	9.488	22
23	5.228	4.508	4.208	8.81E	16.8E	25.4E	31.0E	16.8E	13.1	11.3	9.40	9.558	23
24	5.188	4.448	4.258	8.88E	17.3E	25.3E	30.6E	16.8E	13.1	11.2	9.44	9.588	24
25	5.088	4.438	4.908	9.18E	17.7E	26.3E	29.8E	16.2E	13.1	11.1	9.56	9.808	25
26	5.088	4.488	5.00E	9.43E	18.1E	27.4E	29.3E	16.2E	13.1	11.0	9.61	9.848	26
27	5.028	4.488	5.10E	9.51E	18.4E	28.8E	28.7E	16.1E	13.2	10.9	9.61	9.728	27
28	5.018	4.448	5.20E	9.88E	18.8E	29.2E	28.1E	16.0E	13.2	10.8	9.37	9.688	28
29	4.868	4.298	5.25E	9.67E	18.2E	31.0E	27.3E	16.0E	13.3	10.7	9.43	9.438	29
30	4.928		5.40E	10.1 E	18.8E	31.2E	26.9E	16.9A	13.3	10.8	9.38	9.888	30
31	5.028		5.48E		20.3A		26.4E	16.8E		10.8		9.888	31
TOTAL	177.83	131.81	137.82	232.78	438.8	717.7	1 010.8	813.1	418.8	378.2	282.07	280.81	TOTAL
MEAN	5.74	4.84	4.44	7.76	14.2	23.8	32.8	19.8	13.8	12.2	9.74	9.38	MEAN
MAX	8.85	4.93	5.48	10.1	20.3	31.2	36.8	28.0	15.8	13.7	10.8	9.88	MAX
MIN	4.82	4.28	4.04	5.80	10.2	20.2	26.4	15.8	13.8	10.8	9.34	9.08	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.2
MAXIMUM DAILY, 36.8E ON JUL 13
MINIMUM DAILY, 4.04B ON MAR 14

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 12 10 N
LONG 98 08 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15 400	JUL	67 300
FEB	11 400	AUG	53 000
MAR	11 900	SEP	38 000
APR	20 100	OCT	33 700
MAY	37 800	NOV	25 200
JUN	82 000	DEC	25 100

TOTAL DISCHARGE, 418 000 dam³

BIG GRASS RIVER ANGLE DITCH NEAR GLENELLA - STATION NO. 05LL026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0.328	0.030	0	0	0	0	---	---	1
2	---	---	0 B	0.0088	0.530	0.025	0	0	0	0	---	---	2
3	---	---	0 B	0.2808	1.67	0.020	0	0	0	0	---	---	3
4	---	---	0 B	3.08 B	1.10	0.011	0	0	0	0	---	---	4
5	---	---	0 B	3.04 B	0.722	0.007	0	0	0	0	---	---	5
6	---	---	0 B	2.64 B	0.494	0.005	0	0	0	0	---	---	6
7	---	---	0.0058	2.18 B	0.388	0.002	0A	0	0	0	---	---	7
8	---	---	0.0018	1.88	1.80	0.002	0	0	0	0	---	---	8
9	---	---	0.0018	1.03	1.02	0.001	0	0	0	0	---	---	9
10	---	---	0 B	0.934	0.881	0	0	0	0	0	---	---	10
11	---	---	0 B	0.786	0.498	0	0	0	0.002A	0	---	---	11
12	---	---	0 B	0.616	0.407	0	0	0	0 A	0	---	---	12
13	---	---	0 B	0.702	0.384	0	0	0	0	0	---	---	13
14	---	---	0 B	0.538	0.324	0	0	0	0	0	---	---	14
15	---	---	0 B	0.416	0.298	0	0	0	0	0	---	---	15
16	---	---	0 B	0.377	0.285	0	0	0	0	0	---	---	16
17	---	---	0 B	0.382	0.238	0	0	0	0	0	---	---	17
18	---	---	0 B	0.320	0.306	0	0	0	0	0	---	---	18
19	---	---	0 B	0.248	0.307	0	0	0	0	0	---	---	19
20	---	---	0 B	0.232	0.184	0	0	0	0	0	---	---	20
21	---	---	0 B	0.193	0.174	0	0	0	0	0	---	---	21
22	---	---	0.0018	0.163	0.148	0	0	0	0	0	---	---	22
23	---	---	0.0178	0.182	0.130	0	0	0	0	0	---	---	23
24	---	---	0.0018	0.152	0.118	0	0	0	0	0	---	---	24
25	---	---	0 B	0.184	0.108	0	0	0	0	0A	---	---	25
26	---	---	0 B	0.174	0.087	0	0	0	0	0	---	---	26
27	---	---	0 B	0.178	0.088	0	0	0	0	0	---	---	27
28	---	---	0 B	0.162	0.076	0	0	0	0	0	---	---	28
29	---	---	0 B	0.214	0.088	0	0	0	0	0	---	---	29
30	---		0 B	0.242	0.083	0 A	0	0	0	0	---	---	30
31	---		0 B		0.081		0	0		0		---	31
TOTAL	---	---	0.026	21.452	13.108	0.103	0	0	0.002	0	---	---	TOTAL
MEAN	---	---	0.001	0.715	0.423	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	0.017	3.08	1.67	0.030	0	0	0.002	0	---	---	MAX
MIN	---	---	0	0.001	0.081	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.142
MAXIMUM DAILY, 3.088 ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.778 AT 16:52 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 37 N
LONG 99 05 23 W
DRAINAGE AREA, 490 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2.26	SEP	0.17
APR 1 850		OCT	0
MAY 1 130		NOV	---
JUN	8.90	DEC	---

TOTAL DISCHARGE, 2 980 dam³

REMARKS - PRIOR TO 1989, PUBLISHED AS "GLENELLA DRAIN"; PRIOR TO '88 PUBLISHED AS "ANGLE DRAIN"

BIG GRASS RIVER NEAR GLENELLA - STATION NO. 05LL015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0.329	0.188	0	0	0	0	---	---	1
2	---	---	0 B	0.0188	0.801	0.194	0	0	0	0	---	---	2
3	---	---	0 B	0.8708	1.86	0.142	0	0	0	0	---	---	3
4	---	---	0 B	3.08 B	2.10	0.088	0	0	0	0	---	---	4
5	---	---	0 B	7.88 B	1.48	0.071	0	0	0	0	---	---	5
6	---	---	0 B	6.12	0.882	0.036	0	0	0	0	---	---	6
7	---	---	0 B	4.78	0.826	0.015	0	0	0	0	---	---	7
8	---	---	0 B	3.68	1.08	0.004	0	0	0	0	---	---	8
9	---	---	0 B	2.32	2.08	0.004	0	0	0	0	---	---	9
10	---	---	0 B	1.74	1.48	0	0	0	0	0	---	---	10
11	---	---	0 B	1.38	1.13	0	0	0	0	0	---	---	11
12	---	---	0 B	1.37	0.868	0	0	0	0	0	---	---	12
13	---	---	0 B	1.28	0.868	0	0	0	0	0	---	---	13
14	---	---	0 B	0.841	0.787	0	0	0	0	0	---	---	14
15	---	---	0 B	0.887	0.761	0	0	0	0	0	---	---	15
16	---	---	0 B	0.820	0.722	0	0	0	0	0	---	---	16
17	---	---	0 B	0.428	0.886	0	0	0	0	0	---	---	17
18	---	---	0 B	0.388	0.872	0	0	0	0	0	---	---	18
19	---	---	0 B	0.307	0.844	0	0	0	0	0	---	---	19
20	---	---	0 B	0.284	0.849	0	0	0	0	0	---	---	20
21	---	---	0 B	0.278	0.885	0	0	0	0	0	---	---	21
22	---	---	0 B	0.284	0.809	0	0	0	0	0	---	---	22
23	---	---	0 B	0.281	0.835	0	0	0	0	0	---	---	23
24	---	---	0 B	0.282	0.474	0	0	0	0	0	---	---	24
25	---	---	0.0088	0.276	0.414	0	0	0	0	0	---	---	25
26	---	---	0.0848	0.288	0.383	0	0	0	0	0	---	---	26
27	---	---	0.0238	0.280	0.384	0	0	0	0	0	---	---	27
28	---	---	0.0178	0.283	0.374	0	0	0	0	0	---	---	28
29	---	---	0.0038	0.284	0.328	0	0	0	0	0	---	---	29
30	---		0 B	0.284	0.288	0	0	0	0	0	---	---	30
31	---		0 B		0.224		0	0		0		---	31
TOTAL	---	---	0.115	40.328	28.134	0.749	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.004	1.34	0.843	0.025	0	0	0	0	---	---	MEAN
MAX	---	---	0.084	7.88	2.10	0.194	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0.224	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.275
MAXIMUM DAILY, 7.888 ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.00 AT 16:08 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 32 N
LONG 99 55 15 W
DRAINAGE AREA, 1 070 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	8.84	SEP	0
APR 3 480		OCT	0
MAY 2 380		NOV	---
JUN	84.7	DEC	---

TOTAL DISCHARGE, 5 810 dam³

BIG WHITESHELL LAKE AT BIG WHITESHELL LAKE - STATION NO. 05PG801

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	310.188E	310.081	310.245E	310.184	310.177	310.184	---	1
2	---	---	---	---	---	310.185E	310.081E	310.245E	310.181E	310.175	310.188	---	2
3	---	---	---	---	---	310.181E	310.081E	310.245E	310.188E	310.173	310.187	---	3
4	---	---	---	---	---	310.178	310.081	310.248	310.184E	310.188	310.175	---	4
5	---	---	---	---	---	310.178E	310.107E	310.244E	310.181E	310.184	---	---	5
6	---	---	---	---	---	310.173	310.183	310.242E	310.178	310.181	---	---	6
7	---	---	---	---	---	310.170E	310.201	310.241	310.174	310.188	---	---	7
8	---	---	---	---	---	310.188E	310.208E	310.238E	310.188	310.187	---	---	8
9	---	---	---	---	---	310.183E	310.211	310.237E	310.183	310.187	---	---	9
10	---	---	---	---	310.184	310.189E	310.208E	310.235E	310.183	310.188	---	---	10
11	---	---	---	---	310.184E	310.188E	310.207	310.233	310.178	310.181	---	---	11
12	---	---	---	---	310.194E	310.182E	310.214E	310.231E	310.183	310.180	---	---	12
13	---	---	---	---	310.184E	310.148E	310.220E	310.229	310.184	310.181	---	---	13
14	---	---	---	---	310.184E	310.145E	310.227	310.231	310.187	310.148	---	---	14
15	---	---	---	---	310.184	310.141E	310.230E	310.230E	310.180	310.147	---	---	15
16	---	---	310.182	---	---	310.138	310.232	310.228E	310.182	310.147	---	---	16
17	---	---	---	310.208	---	310.137E	310.238E	310.227	310.185	310.181	---	---	17
18	---	---	---	---	---	310.136	310.243	310.228E	310.187	310.181	---	---	18
19	---	---	---	---	---	310.138E	310.243E	310.228E	310.187	310.181	---	---	19
20	---	---	---	---	---	310.130E	310.241E	310.230	310.183	310.183	---	---	20
21	---	---	---	---	---	310.113	310.240E	310.224E	310.183	310.181	---	---	21
22	---	---	---	---	---	310.108E	310.238E	310.218	310.182	310.147	---	---	22
23	---	---	---	---	---	310.103E	310.237E	310.211E	310.180	310.181	---	---	23
24	---	---	---	---	---	310.099E	310.238E	310.203	310.181	310.148	---	---	24
25	---	---	---	---	---	310.094E	310.236E	310.201E	310.188	310.148	---	---	25
26	---	---	---	---	---	310.090	310.234	310.199E	310.180	310.148	---	---	26
27	---	---	---	---	310.187	310.078E	310.237E	310.198E	310.188	310.184	---	---	27
28	---	---	---	---	310.183E	310.081	310.240E	310.184	310.181	310.180	---	---	28
29	---	---	---	---	310.188	310.081E	310.242E	310.194E	310.178	310.187	---	---	29
30	---	---	---	---	310.185E	310.081E	310.245	310.186E	310.177	310.181	---	---	30
31	---	---	---	---	310.191E		310.245E	310.194E		310.182		---	31
MEAN	---	---	---	---	---	310.133	310.202	310.224	310.185	310.188	---	---	MEAN
MAX	---	---	---	---	---	310.188	310.245	310.245	310.187	310.177	---	---	MAX
MIN	---	---	---	---	---	310.081	310.081	310.184	310.182	310.147	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 310.245 ON JUL 30

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 05 00 N
LONG 95 21 30 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA, 75.0 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO '88, PUBLISHED AS "WHITESHELL LAKE AT CAMPGROUND". AUTOMATIC RECORDER INSTALLED SEPT 08, 1988

BIGISLAND LAKE NEAR FLIN FLON - STATION NO. 05KG008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	293.418	293.461	293.289	293.279	293.283	293.240	---	---	1
2	---	---	---	---	293.423	293.462	293.286	293.277	293.284	293.241	---	---	2
3	---	---	---	---	293.431	293.464	293.285	293.269	293.283	293.238	---	---	3
4	---	---	---	---	293.438	293.462	293.348	293.263	293.280	293.228	---	---	4
5	---	---	---	---	293.440	293.462	293.339	293.261	293.248	293.227	---	---	5
6	---	---	---	---	293.444	293.466	293.332	293.260	293.238	293.228	---	---	6
7	---	---	---	---	293.447	293.463	293.334	293.262	293.232	293.226	---	---	7
8	---	---	---	---	293.448	293.441	293.330	293.249	293.243	293.226	---	---	8
9	---	---	---	---	293.451	293.433	293.331	293.248	293.248	293.238	---	---	9
10	---	---	---	---	293.460	293.431	293.323	293.260	293.248	293.234	---	---	10
11	---	---	---	---	293.464	293.432	293.316	293.248	293.243	293.233	---	---	11
12	---	---	---	---	293.468	293.427	293.308	293.244	293.239	293.218	---	---	12
13	---	---	---	---	293.468	293.424	293.316	293.241	293.237	293.219	---	---	13
14	---	---	293.333A	---	293.467	293.422	293.312	293.238	293.232	293.220	---	---	14
15	---	---	---	---	293.468	293.418	293.318	293.240	293.230	293.218	---	---	15
16	---	---	---	---	293.464	293.404	293.315	293.242	293.231	293.220	---	---	16
17	---	---	---	---	293.468	293.414	293.316	293.238	293.260	293.219	---	---	17
18	---	---	---	---	293.467	293.411	293.317	293.234	293.262	293.218	---	---	18
19	---	---	---	---	293.468	293.410	293.316	293.228	293.263	293.215	---	---	19
20	---	---	---	---	293.468	293.408	293.312	293.226	293.249	293.215	---	---	20
21	---	---	---	---	293.467	293.403	293.304	293.261	293.248	293.211	---	---	21
22	---	---	---	---	293.466	293.398	293.301	293.268	293.249	293.211	---	---	22
23	---	---	---	---	293.466	293.381	293.301	293.268	293.248	293.211	---	---	23
24	---	---	---	---	293.460	293.393	293.288	293.264	293.249	293.207	---	---	24
25	---	---	---	293.387A	293.463	293.388	293.297	293.261	293.244	293.202	---	---	25
26	---	---	---	---	293.463	293.383	293.293	293.283	293.243	293.201	---	---	26
27	---	---	---	---	293.461	293.388	293.284	293.277	293.240	293.198	---	---	27
28	---	---	---	---	293.449	293.382	293.284	293.268	293.238	293.191	---	---	28
29	---	---	---	293.387	293.463	293.370	293.283	293.280	293.239	293.188	---	---	29
30	---	---	---	293.411	293.463	293.380	293.288	293.284	293.241	293.187	---	---	30
31	---	---	---	---	293.462		293.283	293.280		293.188		---	31
MEAN	---	---	---	---	293.460	293.418	293.318	293.258	293.244	293.218	---	---	MEAN
MAX	---	---	---	---	293.468	293.468	293.389	293.285	293.284	293.241	---	---	MAX
MIN	---	---	---	---	293.418	293.380	293.283	293.228	293.230	293.187	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 293.468 ON MAY 22

MAXIMUM INSTANTANEOUS, 293.488 AT 15:14 CST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 00 N
LONG 101 48 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

REMARKS - PREVIOUS TO 1988, PUBLISHED AS "MANISTIKWAN LAKE"

BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS - STATION NO. 05KH003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	280.054	280.048	280.072	280.035	280.008	280.031	280.033	280.012	---	---	1
2	---	---	280.057	280.052	280.023	280.026	280.006	280.022	280.026	280.002	---	---	2
3	---	---	280.052	280.058	280.004	280.020	280.007	280.033	280.026	280.006	---	---	3
4	---	---	280.055	280.056	280.007	280.020	280.074	280.032	280.020	280.008	---	---	4
5	---	---	280.057	280.002	280.073	280.013	280.006	280.026	280.016	280.003	---	---	5
6	---	---	280.056	280.058	280.058	280.005	280.072	280.016	280.016	280.006	---	---	6
7	---	---	280.056	280.058	280.058	280.079	280.006	280.022	280.010	280.003	---	---	7
8	---	---	280.055	280.002	280.058	280.008	280.003	280.012	280.009	280.005	---	---	8
9	---	---	280.056	280.006	280.058	280.014	280.006	280.006	280.006	280.010	---	---	9
10	---	---	280.058	280.006	280.060	280.027	280.008	280.004	280.020	280.000	---	---	10
11	---	---	280.062	280.016	280.067	280.030	280.000	280.000	280.022	280.001	---	---	11
12	---	---	280.064	280.020	280.038	280.040	280.004	280.001	280.022	280.078	---	---	12
13	---	---	280.062	280.024	280.026	280.020	280.050	280.785	280.044	280.068	---	---	13
14	---	---	280.063	280.024	280.008	280.025	280.058	280.780	280.038	280.091	---	---	14
15	---	---	280.066	280.028	280.003	280.010	280.078	280.807	280.038	280.003	---	---	15
16	---	---	280.066	280.034	280.014	280.018	280.081	280.784	280.036	280.088	---	---	16
17	---	---	280.038	280.031	280.004	280.010	280.092	280.784	280.044	280.084	---	---	17
18	---	---	280.036	280.032	280.018	280.011	280.090	280.785	280.052	280.088	---	---	18
19	---	---	280.035	280.034	280.007	280.032	280.086	280.760	280.048	280.080	---	---	19
20	---	---	280.034	280.036	280.010	280.000	280.084	280.778	280.048	280.002	---	---	20
21	---	---	280.034	280.036	280.031	280.004	280.073	280.784	280.047	280.078	---	---	21
22	---	---	280.040	280.040	280.025	280.085	280.081	280.804	280.068	280.085	---	---	22
23	---	---	280.042	280.043	280.060	280.085	280.076	280.837	280.068	280.087	---	---	23
24	---	---	280.043E	280.043	280.073	280.081	280.083	280.838	280.062	280.083	---	---	24
25	---	---	280.044E	280.045	280.022	280.000	280.087	280.834	280.064	280.083	---	---	25
26	---	---	280.045E	280.050	280.033	280.001	280.082	280.832	280.062	280.078	---	---	26
27	---	---	280.047E	280.055	280.018	280.064	280.046	280.833	280.064	280.081	---	---	27
28	---	---	280.048E	280.058	280.008	280.084	280.044	280.826	280.075	280.077	---	---	28
29	---	---	280.049A	280.058	280.033	280.088	280.047	280.821	280.068	280.074	---	---	29
30	---		280.044	280.058	280.042	280.071	280.016	280.808	280.012	280.078	---	---	30
31	---		280.037		280.018		280.042	280.823		280.078A		---	31
MEAN	---	---	280.048	280.022	280.037	280.005	280.089	280.812	280.047	280.080	---	---	MEAN
MAX	---	---	280.064	280.058	280.072	280.040	280.090	280.838	280.012	280.019	---	---	MAX
MIN	---	---	280.034	280.048	280.073	280.084	280.016	280.778	280.016	280.074	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 280.072 ON MAY 1

MAXIMUM INSTANTANEOUS,
280.078 AT 09:40 CST ON MAY 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
2 360 km²

BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS - STATION NO. 05KH004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	287.832	287.427	288.048	287.230	---	---	---	286.706	---	---	1
2	---	---	287.886	287.488	288.777	287.108	---	---	---	286.708	---	---	2
3	---	---	287.817	287.820	288.598	287.080	---	286.708A	---	286.700	---	---	3
4	---	---	287.786	287.700	288.501	287.078	---	---	---	286.698	---	---	4
5	---	---	287.762	287.708	288.408	287.076	---	---	---	286.693	---	---	5
6	---	---	287.730	287.647	288.283	287.068	---	---	---	286.689	---	---	6
7	---	---	287.740	287.548	288.188	287.116	---	---	---	286.683	---	---	7
8	---	---	287.736	287.503	288.072	287.234	---	---	---	286.681	---	---	8
9	---	---	287.683	287.428	288.011	287.235	---	---	---	286.700	---	---	9
10	---	---	287.612	287.434	287.978	287.102	---	---	---	286.689	---	---	10
11	---	---	287.536	287.588	287.934	287.015	---	---	---	286.681	---	---	11
12	---	---	287.490	287.766	287.888	286.983	---	---	286.738A	286.684	---	---	12
13	---	---	287.452	287.814	287.805	286.889	---	---	286.747	286.682	---	---	13
14	---	---	287.398	288.017	287.683	286.874	---	---	286.741	286.684	---	---	14
15	---	---	287.342	288.181	287.588	286.880	---	---	286.746	286.689	---	---	15
16	---	---	287.292	288.318	287.488	286.878	---	---	286.742	286.687	---	---	16
17	---	---	287.288	288.461	287.734	286.884	---	---	286.740	286.678	---	---	17
18	---	---	287.263	288.564	287.675	286.869	---	---	286.748	286.680	---	---	18
19	---	---	287.223	288.633	287.700	286.873	---	---	286.744	286.682	---	---	19
20	---	---	287.186	288.740	287.733	286.811	---	---	286.743	286.701	---	---	20
21	---	---	287.178	288.668	287.693	286.788A	---	---	286.741	286.696	---	---	21
22	---	---	287.176	288.664	287.673	---	---	---	286.748	286.767	---	---	22
23	---	---	287.178	288.136	287.648	---	---	---	286.752	286.714	---	---	23
24	---	---	287.180	288.312	287.607	---	---	---	286.753	286.688	---	---	24
25	---	---	287.182	288.501	287.583	---	---	---	286.753	286.682	---	---	25
26	---	---	287.084	288.668	287.378	---	---	---	286.780	286.681	---	---	26
27	---	---	287.081	288.667	287.318	---	---	---	286.762	286.687	---	---	27
28	---	---	287.188	288.463	287.328	---	---	---	286.726	286.683	---	---	28
29	---	---	287.190	288.313	287.342	---	---	---	286.732	286.686	---	---	29
30	---		287.308	288.288	287.316	---	---	---	286.718	286.671	---	---	30
31	---		287.410		287.321		---	---		286.680A		---	31
MEAN	---	---	287.426	288.368	287.678	---	---	---	---	286.680	---	---	MEAN
MAX	---	---	287.833	288.668	288.048	---	---	---	---	286.787	---	---	MAX
MIN	---	---	287.081	287.428	287.316	---	---	---	---	286.668	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 288.668 ON APR 28

MAXIMUM INSTANTANEOUS,
288.848 AT 14:88 CST ON APR 28

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

REMARKS - WATER LEVELS ARE AFFECTED BY HIGH STAGES ON THE SASKATCHEWAN RIVER

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE

DRAINAGE AREA,
2 360 km²

BIRCH RIVER NEAR BIRCH RIVER - STATION NO. 06LE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1688	0.8788	31.4 E	0.826	0.178	0.087	0.200	0.388	---	---	1
2	---	---	0.1688	0.8788	30.8 E	0.800	0.184	0.120	0.318	0.387	---	---	2
3	---	---	0.1688	1.12 B	28.7 A	0.713	0.188	0.133	0.303	0.411	---	---	3
4	---	---	0.1688	1.40 B	18.8	0.624	0.180	0.108	0.181	0.388	---	---	4
5	---	---	0.1808	1.70 B	12.8	0.584	0.137	0.088	0.178	0.414	---	---	5
6	---	---	0.1828	1.90 B	9.07	0.557	0.185	0.081	0.177	0.387	---	---	6
7	---	---	0.1848	1.77 B	8.08	0.456	0.170	0.101	0.182	0.382	---	---	7
8	---	---	0.1868	1.82 B	7.68	0.495	0.157	0.111	0.212	0.323	---	---	8
9	---	---	0.1888	1.81 B	6.52	0.508	0.166	0.142	0.223	0.308	---	---	9
10	---	---	0.2008	1.82 B	6.50	0.488	0.148	0.180	0.201	0.323	---	---	10
11	---	---	0.2158	2.32 B	6.80	0.516	0.133	0.140	0.187	0.320	---	---	11
12	---	---	0.2308	2.72 B	6.28	0.604	0.128	0.188	0.188	0.312	---	---	12
13	---	---	0.2238	3.08 B	5.89	0.451	0.174	0.178	0.180	0.308	---	---	13
14	---	---	0.2158	3.28 B	5.84	0.388	0.144	0.180	0.183	0.287	---	---	14
15	---	---	0.2008	3.44 B	5.30	0.383	0.183	0.205	0.187	0.287	---	---	15
16	---	---	0.2008	3.43 B	5.06	0.287	0.162	0.218	0.184	0.283	---	---	16
17	---	---	0.2008	3.78 B	5.88	0.318	0.144	0.208	0.173	0.286	---	---	17
18	---	---	0.2008	3.94 B	3.74	0.191	0.187	0.224	0.188	0.314	---	---	18
19	---	---	0.2008	4.02 B	3.83	0.182	0.186	0.208	0.174	0 [illegible]	---	---	19
20	---	---	0.2008	4.24	3.46	0.184	0.183	0.236	0.181	0 [illegible]	---	---	20
21	---	---	0.2008	4.30 B	3.37	0.180	0.144	0.257	0.185	0.333	---	---	21
22	---	---	0.2388	4.07 B	3.31	0.172	0.130	0.203	0.183	0.304	---	---	22
23	---	---	0.2388	3.78 B	3.14	0.224	0.134	0.260	0.180	0.288	---	---	23
24	---	---	0.2488	3.54 B	3.00	0.217	0.111	0.181	0.238	0.246	---	---	24
25	---	---	0.2588	3.30 B	2.91	0.208	0.101	0.177	0.190	0.182	---	---	25
26	---	---	0.2588	3.18 B	1.88	0.183	0.092	0.152	0.233	0.2028	---	---	26
27	---	---	0.2588	4.48 B	1.81	0.178	0.081	0.238	0.248	0.3388	---	---	27
28	---	---	0.2588	5.28 B	1.81	0.186	0.084	0.230	0.263	0.2648	---	---	28
29	---	---	0.2718	14.4	1.37	0.178	0.021	0.208	0.268	0.2628	---	---	29
30	---	---	0.2788	32.8 A	1.17	0.178	0.021	0.208	0.268	0.2628	---	---	30
31	---	---	0.2888		1.08		0.070	0.184		0.2408	---	---	31
TOTAL	---	---	8.883	139.134	213.78	11.336	4.081	5.825	6.100	9.538	---	---	TOTAL
MEAN	---	---	0.222	4.30	6.80	0.378	0.131	0.181	0.203	0.308	---	---	MEAN
MAX	---	---	0.288	32.8	31.4	0.826	0.178	0.303	0.287	0.414	---	---	MAX
MIN	---	---	0.168	0.878	1.08	0.172	0.021	0.087	0.134	0.182	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.88
MAXIMUM DAILY, 32.8A ON APR 30
MINIMUM DAILY, 0.021 ON JUL 29
MAXIMUM INSTANTANEOUS,
34.8 AT 15:00 CST ON APR 30

REMARKS - DISCHARGE AFFECTED BY BEAVER DAM

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 35 N
LONG 101 05 00 W
DRAINAGE AREA, 139 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	351
FEB	---	AUG	486
MAR	595	SEP	527
APR 11	200	OCT	824
MAY 18	500	NOV	---
JUN	978	DEC	---

TOTAL DISCHARGE, 33 500 dam³

BIRD RIVER AT OUTLET OF BIRD LAKE - STATION NO. 05PJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.342E	0.864	3.88	2.88	---	---	---	---	---	---	1
2	---	---	0.338A	0.886	3.82	3.26	---	---	---	---	---	---	2
3	---	---	0.388A	0.897	3.48	3.87	---	---	---	---	---	---	3
4	---	---	0.388	0.821	3.41	3.91	---	---	---	---	---	---	4
5	---	---	0.388	0.833	3.42	4.21	---	---	---	---	---	---	5
6	---	---	0.404	0.853	3.47	4.84	---	---	---	---	---	---	6
7	---	---	0.413	0.888	3.81	4.88	---	---	---	---	---	---	7
8	---	---	0.428	0.891	3.82	4.83	---	---	---	---	---	---	8
9	---	---	0.437	0.931	3.48	4.82	---	---	---	---	---	---	9
10	---	---	0.438	1.12	3.37	4.44	---	---	---	---	---	---	10
11	---	---	0.438	1.38	3.38	4.28	---	---	---	---	---	---	11
12	---	---	0.434	1.80	3.43	3.88	---	---	---	---	---	---	12
13	---	---	0.433	1.88	3.47	3.77	---	---	---	---	---	---	13
14	---	---	0.432	2.15	3.46	3.80	---	---	---	---	---	---	14
15	---	---	0.437	2.38	3.44	3.87	---	---	---	---	---	---	15
16	---	---	0.440	2.82	3.43	3.48	---	---	---	---	---	---	16
17	---	---	0.437	2.81	3.44	3.28	---	---	---	---	---	---	17
18	---	---	0.437	2.87	3.38	3.18	---	---	---	---	---	---	18
19	---	---	0.444	3.08	3.41	3.08	---	---	---	---	---	---	19
20	---	---	0.448	3.13	3.48	2.98	---	---	---	---	---	---	20
21	---	---	0.480	3.28	3.47	2.78	---	---	---	---	---	---	21
22	---	---	0.458	3.33	3.41	2.88	---	---	---	---	---	---	22
23	---	---	0.480	3.38	3.38	2.82	---	---	---	---	---	---	23
24	---	---	0.484	3.48	3.38	2.87	---	---	---	---	---	---	24
25	---	---	0.538	3.48	3.13	2.38	---	---	---	---	---	---	25
26	---	---	0.585	3.82	3.18	2.31	---	---	---	---	---	---	26
27	---	---	0.588	3.48	3.07	2.38	---	---	---	---	---	---	27
28	---	---	0.578	3.81	3.08	2.28	---	---	---	---	---	---	28
29	---	---	0.574	3.84	3.00	2.08	---	---	---	---	---	---	29
30	---	---	0.578	3.88	2.83	1.83	---	---	---	---	---	---	30
31	---	---	0.578		2.88		---	---	---	---	---	---	31
TOTAL	---	---	14.813	85.702	103.74	88.83	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.482	3.19	3.36	3.33	---	---	---	---	---	---	MEAN
MAX	---	---	0.578	3.88	3.88	4.83	---	---	---	---	---	---	MAX
MIN	---	---	0.338	0.864	2.88	1.82	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.32
MAXIMUM DAILY, 4.83 ON JUN 6
MINIMUM DAILY, 0.338A ON MAR 2
MAXIMUM INSTANTANEOUS,
5.81 AT 21:30 CST ON JUN 7

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 48 N
LONG 95 24 50 W
DRAINAGE AREA, 1 070 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR 1	310	SEP	---
APR 5	980	OCT	---
MAY 5	880	NOV	---
JUN 5	830	DEC	---

TOTAL DISCHARGE, 24 500 dam³

BIRDTAIL CREEK NEAR BIRTLE - STATION NO. 05MH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0288	0.1428	1.48	1.72	0.102	0.001	0	0.001	---	---	1
2	---	---	0.0288	2.18 B	2.18	1.87	0.107	0.002	0	0.001	---	---	2
3	---	---	0.0288	3.71 B	4.82	1.38	0.107	0.005	0	0.001	---	---	3
4	---	---	0.0288	4.28 B	5.15	1.28	0.101	0.005	0	0.001	---	---	4
5	---	---	0.0288	5.54 B	7.78	1.10	0.103	0.003	0	0.001	---	---	5
6	---	---	0.0288	10.8 B	9.85	0.900	0.104	0.001	0	0.001	---	---	6
7	---	---	0.0288	13.4 B	11.8	0.802	0.106	0	0	0.001	---	---	7
8	---	---	0.0288	8.16 B	12.3	0.520	0.088	0	0	0.002	---	---	8
9	---	---	0.0288	9.08	12.4	0.463	0.075	0	0	0.002	---	---	9
10	---	---	0.0288	8.44	12.4	0.417	0.070	0	0	0.001	---	---	10
11	---	---	0.0288	8.30	12.2	0.447	0.084	0	0	0.001	---	---	11
12	---	---	0.0288	7.80	12.3	0.410	0.050	0	0	0.001	---	---	12
13	---	---	0.0288	8.39	11.0	0.382	0.048	0	0	0.001	---	---	13
14	---	---	0.0288	8.54	9.81	0.311	0.042	0	0	0.001	---	---	14
15	---	---	0.0288	8.16	8.38	0.308	0.040	0	0	0.001	---	---	15
16	---	---	0.0288	4.81	7.15	0.282	0.037	0	0	0.002	---	---	16
17	---	---	0.0288	4.00	8.43	0.257	0.031	0	0	0.002	---	---	17
18	---	---	0.0308	3.90	8.23	0.238	0.027	0	0	0.002	---	---	18
19	---	---	0.0308	3.17	8.00	0.214	0.024	0	0	0	---	---	19
20	---	---	0.0308	2.78	8.07	0.198	0.019	0	0	0	---	---	20
21	---	---	0.0308	2.82	8.58	0.178	0.017	0.006	0	0	---	---	21
22	---	---	0.0308	2.32	8.41	0.168	0.013	0.003	0	0.001	---	---	22
23	---	---	0.0308	2.15	8.88	0.164	0.008	0.001	0	0.001	---	---	23
24	---	---	0.0308	1.91	4.34	0.152	0.007	0	0	0.001A	---	---	24
25	---	---	0.0288	1.88	3.85	0.148	0.008	0	0	0.001E	---	---	25
26	---	---	0.0888	1.48	3.41	0.137	0.008	0	0	0.001E	---	---	26
27	---	---	0.0858	1.46	3.07	0.132	0.004	0	0	0.001E	---	---	27
28	---	---	0.0718	1.51	2.75	0.124	0.006	0	0.004	0.001E	---	---	28
29	---	---	0.0418	1.38	2.47	0.111	0.004	0	0.003	0.001E	---	---	29
30	---		0.0288	1.34	2.21	0.097	0.004	0	0.001	0.001E	---	---	30
31	---		0.0408		1.98		0.002	0		0.001E		---	31
TOTAL	---	---	1.098	136.552	208.98	14.481	1.430	0.037	0.008	0.033	---	---	TOTAL
MEAN	---	---	0.035	4.52	6.84	0.483	0.048	0.001	0	0.001	---	---	MEAN
MAX	---	---	0.095	13.4	12.4	1.73	0.107	0.006	0.004	0.002	---	---	MAX
MIN	---	---	0.028	0.142	1.48	0.097	0.002	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.48
MAXIMUM DAILY, 13.48 ON APR 7
MINIMUM DAILY, 0 ON AUG 7
MAXIMUM INSTANTANEOUS,
15.58 AT 06:37 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 50 N
LONG 100 57 00 W
DRAINAGE AREA, 1 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	123
FEB	---	AUG	2.33
MAR	84.8	SEP	0.89
APR 11	700	OCT	2.85
MAY 17	800	NOV	---
JUN 1	250	DEC	---

TOTAL DISCHARGE, 31 000 dam³

BIRNIE CREEK NEAR BIRNIE - STATION NO. 05LL017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.00 B	0.143	0.118	0	0	0	0	---	---	1
2	---	---	0 B	1.78 B	0.582	0.082	0	0	0	0	---	---	2
3	---	---	0 B	2.00 B	1.18	0.077	0	0	0	0	---	---	3
4	---	---	0 B	2.33 B	0.850	0.059	0	0	0	0	---	---	4
5	---	---	0.0018	2.10	0.518	0.042	0	0	0	0	---	---	5
6	---	---	0.0038	1.10	0.371	0.028	0	0	0	0	---	---	6
7	---	---	0.0068	0.848	0.520	0.018	0	0	0	0	---	---	7
8	---	---	0.0048	0.681	1.02	0.013	0	0	0	0	---	---	8
9	---	---	0.0048	0.580	0.764	0.012	0	0	0	0	---	---	9
10	---	---	0.0028	0.508	0.587	0.010	0	0	0	0	---	---	10
11	---	---	0.0018	0.573	0.502	0.008	0	0	0	0	---	---	11
12	---	---	0 B	0.506	0.407	0.006	0	0	0	0	---	---	12
13	---	---	0 B	0.377	0.352	0.007	0	0	0	0	---	---	13
14	---	---	0 B	0.261	0.289	0.007	0	0	0	0	---	---	14
15	---	---	0 B	0.211	0.221	0.008	0	0	0	0	---	---	15
16	---	---	0 B	0.238	0.218	0.008	0	0	0	0	---	---	16
17	---	---	0 B	0.188	0.178	0.027	0	0	0	0	---	---	17
18	---	---	0 B	0.112	0.177	0.025	0	0	0	0	---	---	18
19	---	---	0 B	0.100	0.201	0.020	0	0	0	0	---	---	19
20	---	---	0.0018	0.088	0.187	0.003	0	0	0	0	---	---	20
21	---	---	0.0018	0.072	0.128	0	0	0	0	0	---	---	21
22	---	---	0.0038	0.068	0.117	0	0	0	0	0	---	---	22
23	---	---	0.0068	0.044	0.118	0	0	0	0	0	---	---	23
24	---	---	0.0068	0.068	0.117	0	0	0	0	0	---	---	24
25	---	---	0.0038	0.087	0.102	0	0	0	0	0	---	---	25
26	---	---	0.0038	0.041	0.081	0	0	0	0	0	---	---	26
27	---	---	0.0018	0.087	0.068	0	0	0	0	0	---	---	27
28	---	---	0.0018	0.088	0.081	0	0	0	0	0	---	---	28
29	---	---	0.0018	0.083	0.078	0	0	0	0	0	---	---	29
30	---		0.0088	0.107	0.088	0	0	0	0	0	---	---	30
31	---		0.0888		0.128		0	0		0		---	31
TOTAL	---	---	0.108	18.813	10.388	0.577	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.003	0.584	0.334	0.019	0	0	0	0	---	---	MEAN
MAX	---	---	0.088	2.33	1.18	0.118	0	0	0	0	---	---	MAX
MIN	---	---	0	0.041	0.078	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.113
MAXIMUM DAILY, 2.330 ON APR 4
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.98 AT 16:15 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 50 N
LONG 99 27 00 W
DRAINAGE AREA, 82.9 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	8.33	SEP	0
APR 1	440	OCT	0
MAY	688	NOV	---
JUN	48.0	DEC	---

TOTAL DISCHARGE, 2 400 dam³

BLACK RIVER NEAR MANIGOTAGAN - STATION NO. OSNA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0618	0.0488	0.0308	0.044	2.20	2.03	1.40	0.026	0.111	0.782	0.4888	0.4128	1
2	0.0618	0.0488	0.0288	0.061	2.24	2.78	1.88	0.011	0.108	0.788	0.488	0.4138	2
3	0.0888	0.0448	0.024	0.148	2.23	2.58	1.84	0.021	0.097	0.737	0.467	0.4188	3
4	0.0888	0.0418	0.024	0.211	2.11	2.53	1.44	0.448	0.087	0.857	0.480	0.4188	4
5	0.0888	0.0408	0.026	0.301	2.10	2.88	1.48	0.388	0.080	0.818	0.480	0.4088	5
6	0.0788	0.0388	0.033	0.408	1.87	2.71	1.88	0.372	0.077	0.887	0.483	0.3878	6
7	0.0778	0.0388	0.033	0.843	1.88	2.88	1.88	0.383	0.078	0.888	0.478	0.4038	7
8	0.0748	0.0408	0.033	0.878	2.04	2.84	1.82	0.341	0.078	0.832	0.478	0.3988	8
9	0.0728	0.0388	0.033	1.88	2.01	2.88	1.88	0.328	0.078	0.823	0.478	0.4048	9
10	0.0708	0.0408	0.033	2.77	1.84	3.08	1.71	0.288	0.078	0.484	0.471	0.3868	10
11	0.0888	0.0388	0.028	2.88	2.02	3.07	1.70	0.258	0.088	0.471	0.478	0.3778	11
12	0.0858	0.0388	0.026	3.70	1.87	2.98	1.88	0.228	0.117	0.485	0.478	0.3818	12
13	0.0848	0.0378	0.028	2.47	3.00	2.77	1.58	0.218	0.121	0.484	0.474	0.3878	13
14	0.0848	0.0408	0.026	2.88	2.13	2.88	1.48	0.208	0.124	0.448	0.487	0.3708	14
15	0.0848	0.0408	0.028	3.87	2.28	2.88	1.88	0.191	0.128	0.418	0.481	0.3808	15
16	0.0808	0.0438	0.026	4.18	2.28	2.41	1.47	0.188	0.127	0.378	0.478	0.3498	16
17	0.0808	0.0408	0.024	3.72	2.32	2.42	1.42	0.184	0.128	0.384	0.480	0.3478	17
18	0.0888	0.0388	0.023	3.36	2.18	2.49	1.38	0.188	0.180	0.368	0.480	0.3438	18
19	0.0878	0.0388	0.022	3.04	2.26	2.37	1.28	0.147	0.266	0.381	0.481	0.3428	19
20	0.0888	0.0388	0.021	2.88	2.88	2.12	1.27	0.148	0.444	0.342	0.448	0.3268	20
21	0.0878	0.0378	0.020	2.73	3.87	1.82	1.23	0.138	0.887	0.327	0.438	0.3218	21
22	0.0868	0.0368	0.022	2.88	3.80	1.81	1.18	0.133	0.732	0.338	0.420	0.3208	22
23	0.0878	0.0348	0.023	2.38	3.68	1.48	1.14	0.118	0.781	0.343	0.412	0.3188	23
24	0.0868	0.0318	0.024	2.33	3.41	1.81	1.04	0.108	0.807	0.384	0.408	0.3388	24
25	0.0858	0.0308	0.048	2.32	3.24	1.87	0.978	0.117	0.818	0.388	0.4218	0.3318	25
26	0.0848	0.0318	0.080	2.28	3.08	1.88	0.882	0.135	0.817	0.3878	0.4248	0.3118	26
27	0.0838	0.0308	0.048	2.30 A	2.87	1.80	0.803	0.158	0.812	0.4038	0.4298	0.3088	27
28	0.0818	0.0328	0.045	2.37	2.88	2.22	0.820	0.188	0.788	0.3878	0.4288	0.3078	28
29	0.0818	0.0308	0.043	2.38	3.80	2.22	0.841	0.180	0.788	0.3928	0.4238	0.3078	29
30	0.0808		0.038	2.31	3.31	2.03	0.778	0.138	0.802	0.4048	0.4208	0.3088	30
31	0.0488		0.038		2.18		0.888	0.120		0.4808		0.2938	31
TOTAL	2.000	1.087	0.948	83.544	78.38	70.27	41.857	7.718	10.274	14.822	13.848	11.100	TOTAL
MEAN	0.065	0.036	0.031	2.12	2.48	2.34	1.34	0.248	0.342	0.478	0.455	0.358	MEAN
MAX	0.088	0.048	0.080	4.18	3.80	3.07	1.80	0.628	0.818	0.782	0.480	0.418	MAX
MIN	0.048	0.030	0.020	0.044	1.84	1.48	0.888	0.108	0.078	0.336	0.408	0.293	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.888
MAXIMUM DAILY, 4.18 ON APR 16
MINIMUM DAILY, 0.020 ON MAR 21
MAXIMUM INSTANTANEOUS,
4.38 AT 07:10 CST ON APR 16

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 42 N
LONG 88 16 10 W
DRAINAGE AREA, 712 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	173	JUL 3 800	
FEB	84.8	AUG 887	
MAR	81.9	SEP 886	
APR	6 480	OCT 1 280	
MAY	6 800	NOV 1 180	
JUN	6 070	DEC 858	

TOTAL DISCHARGE, 27 100 dam³

BLOODVEIN RIVER ABOVE BLOODVEIN BAY - STATION NO. OSRB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.618	3.128	2.828	3.888	83.3	86.8	24.8	13.8	8.08	7.86	7.84	8.18	1
2	3.788	3.128	2.848	3.648	83.8	86.3	23.8	13.4	7.87	7.78	7.83	8.16	2
3	3.728	3.108	2.888	4.108	83.2	83.7	23.1	13.0	7.90	8.13	8.02	8.14	3
4	3.748	3.078	3.008	4.738	83.7	83.8	22.4	12.4	7.88	8.13	8.10	8.08	4
5	3.788	3.088	3.188	8.838	83.1	84.4	22.0	11.9	7.80	8.18	8.18	8.08	5
6	3.808	3.218	3.188	11.3 B	81.3	84.1	21.8	11.8	7.28	8.22	8.20	7.88	6
7	3.898	2.888	3.088	16.4 B	81.1	83.7	22.1	11.2	7.04	8.26	8.28	7.88	7
8	3.888	2.888	3.088	20.3 B	80.8	80.8	23.1	10.8	8.82	8.24	8.21	7.88	8
9	3.838	2.898	3.088	24.8 B	78.3	48.2	24.8	10.5	8.81	8.22	8.12	7.88	9
10	3.848	2.878	3.078	28.6 B	81.8	47.8	24.7	10.2	8.85	8.14	8.14	7.78	10
11	3.868	2.788	3.028	33.2 B	88.8	48.4	24.3	9.80	8.81	8.01	8.04	7.70	11
12	3.808	2.698	2.978	38.0 B	87.8	44.3	22.8	9.82	8.88	7.84	7.84	7.82	12
13	3.468	2.628	2.958	41.6 B	87.7	41.8	22.8	9.83	8.40	7.78	7.87	7.84	13
14	3.428	2.798	2.838	46.8 B	88.8	38.8	21.8	9.18	8.31	7.88	7.87	7.84	14
15	3.318	2.828	2.888	47.8	83.8	38.2	23.2	8.98	8.24	7.82	7.87	7.808	15
16	3.288	2.878	2.808	47.7	80.4	38.8	23.8	8.78	8.22	7.80	8.01	7.828	16
17	3.308	3.038	2.888	47.8	87.2	34.8	23.8	8.58	8.17	7.38	8.07	7.888	17
18	3.318	3.128	2.888	48.8	84.8	33.8	23.1	8.52	8.06	7.32	8.13	7.788	18
19	3.388	3.238	2.888	44.8	81.0	32.8	22.2	8.28	8.00	7.30	8.17	7.848	19
20	3.408	3.298	2.848	42.4	77.8	30.8	21.3	8.27	8.05	7.30	8.22	7.778	20
21	3.288	3.188	2.828	40.3	78.8	29.7	20.4	8.18	8.11	7.41	8.23	7.738	21
22	3.248	3.438	2.928	38.1	78.8	28.8	19.8	8.41	8.22	7.38	8.24	7.708	22
23	3.288	3.418	3.058	35.8	74.3	27.4	19.0	8.38	8.33	7.88	8.20	7.758	23
24	3.338	3.108	3.078	35.2	72.8	27.1	18.2	8.42	8.48	7.88	8.19	7.758	24
25	3.278	3.038	3.288	43.8	70.2	27.4	17.8	8.48	8.83	7.77	8.28	7.758	25
26	3.228	2.978	3.328	88.1	68.1	27.8	18.8	8.44	8.80	7.81	8.29	7.758	26
27	3.248	2.908	3.388	88.3	88.3	27.8	18.2	8.87	8.88	7.84	8.35	7.828	27
28	3.218	2.888	3.548	83.7	84.4	27.1	18.7	8.78	7.01	7.83	8.33	7.752	28
29	3.238	2.908	3.678	83.2	83.0	26.3	18.2	8.82	7.24	7.84	8.31	7.708	29
30	3.208		3.888	83.8	81.2	25.3	14.8	8.41	7.37	7.83	8.28	7.788	30
31	3.188		3.888		88.8		14.4	8.28		7.82		7.788	31
TOTAL	188.88	87.32	95.88	1 021.38	2 248.8	1 184.8	848.8	301.58	203.30	241.71	244.08	243.70	TOTAL
MEAN	3.44	3.01	3.10	34.0	72.8	38.8	21.0	8.73	8.78	7.80	8.14	7.86	MEAN
MAX	3.81	3.43	3.87	88.3	87.8	88.8	24.7	13.8	8.08	8.28	8.38	8.18	MAX
MIN	3.18	2.88	2.84	3.88	81.1	25.3	14.4	8.18	8.00	7.38	7.87	7.82	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.1
MAXIMUM DAILY, 87.8 ON MAY 12
MINIMUM DAILY, 2.888 ON FEB 12
MAXIMUM INSTANTANEOUS,
88.1 AT 18:26 CST ON MAY 12

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 32 N
LONG 88 36 44 W
DRAINAGE AREA, 8 080 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 220	JUL 88 100	
FEB	7 540	AUG 28 100	
MAR	8 258	SEP 17 800	
APR	88 200	OCT 20 800	
MAY	184 800	NOV 21 100	
JUN	102 000	DEC 21 100	

TOTAL DISCHARGE, 572 000 dam³

BOSSY CREEK ABOVE LAKE IRWIN - STATION NO. 06LL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1820	0.3150	0.548	0.184	0.170	0.082	0.033	0.102	---	---	1
2	---	---	0.1840	0.4300	0.823	0.171	0.178	0.088	0.027	0.088	---	---	2
3	---	---	0.2130	0.5180	0.811	0.180	0.177	0.084	0.030	0.088	---	---	3
4	---	---	0.2480	0.5100	0.888	0.140	0.181	0.080	0.014	0.095	---	---	4
5	---	---	0.3200	0.6000	0.886	0.138	0.193	0.072	0.015	0.087	---	---	5
6	---	---	0.3640	0.7360	0.803	0.140	0.204	0.067	0.015	0.083	---	---	6
7	---	---	0.2720	0.6480	0.896	0.144	0.271	0.060	0.038	0.086	---	---	7
8	---	---	0.2710	0.5900	0.613	0.152	0.288	0.051	0.058	0.093	---	---	8
9	---	---	0.3020	0.5340	0.599	0.155	0.304	0.045	0.058	0.101	---	---	9
10	---	---	0.2830	0.4870	0.883	0.180	0.303	0.038	0.067	0.103	---	---	10
11	---	---	0.2720	0.428	0.634	0.188	0.248	0.034	0.087	0.112	---	---	11
12	---	---	0.2660	0.368	0.484	0.158	0.218	0.031	0.062	0.121	---	---	12
13	---	---	0.2660	0.335	0.421	0.150	0.227	0.027	0.074	0.130	---	---	13
14	---	---	0.2610	0.314	0.365	0.150	0.219	0.023	0.072	0.135	---	---	14
15	---	---	0.2600	0.272	0.288	0.151	0.199	0.018	0.075	0.142	---	---	15
16	---	---	0.2580	0.265	0.270	0.150	0.183	0.015	0.078	0.148	---	---	16
17	---	---	0.2560	0.272	0.265	0.145	0.184	0.014	0.078	0.157	---	---	17
18	---	---	0.2560	0.268	0.258	0.140	0.175	0.014	0.083	0.162	---	---	18
19	---	---	0.2560	0.260	0.249	0.135	0.180	0.014	0.084	0.167	---	---	19
20	---	---	0.2600	0.244	0.250	0.130	0.188	0.018	0.085	0.174	---	---	20
21	---	---	0.2610	0.227	0.239	0.127	0.183	0.017	0.086	0.181	---	---	21
22	---	---	0.2600	0.263	0.236	0.118	0.172	0.018	0.088	0.187	---	---	22
23	---	---	0.2900	0.269	0.240	0.136	0.188	0.021	0.089	0.184	---	---	23
24	---	---	0.3200	0.244	0.223	0.138	0.161	0.019	0.087	0.188	---	---	24
25	---	---	0.4610	0.278	0.221	0.139	0.148	0.028	0.087	0.2048	---	---	25
26	---	---	0.3998	0.384	0.212	0.138	0.140	0.041	0.088	0.2108	---	---	26
27	---	---	0.3448	0.438	0.192	0.132	0.134	0.048	0.090	0.2188	---	---	27
28	---	---	0.3188	0.501	0.176	0.127	0.131	0.048	0.100	0.2208	---	---	28
29	---	---	0.3108	0.517	0.178	0.212	0.116	0.048	0.104	0.2258	---	---	29
30	---		0.2968	0.528	0.171	0.183	0.113	0.043	0.103	0.2318	---	---	30
31	---		0.2978		0.178		0.100	0.038		0.2388		---	31
TOTAL	---	---	8.781	13.073	11.880	4.470	5.837	1.281	2.102	4.709	---	---	TOTAL
MEAN	---	---	0.283	0.436	0.374	0.149	0.188	0.040	0.070	0.152	---	---	MEAN
MAX	---	---	0.461	0.818	0.823	0.212	0.304	0.092	0.104	0.238	---	---	MAX
MIN	---	---	0.182	0.227	0.171	0.118	0.100	0.014	0.014	0.083	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.212
MAXIMUM DAILY, 0.8180 ON APR 3
MINIMUM DAILY, 0.014 ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 10 54 N
LONG 99 23 55 W
DRAINAGE AREA, 815 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	504
FEB	---	AUG	198
MAR	788	SEP	182
APR	1 130	OCT	407
MAY	1 000	NOV	---
JUN	388	DEC	---

TOTAL DISCHARGE, 4 480 dam³

REMARKS - PRIOR TO 1988, PUBLISHED AS "WHITEMUD RIVER ABOVE NEEPAWA RESERVOIR"

BOSSY CREEK NEAR NEEPAWA - STATION NO. 06LL011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3330	0.4300	0.280	0.300	0.154	0.302	0.158	0.184	---	---	1
2	---	---	0.3330	0.4370	0.493	0.247	0.150	0.214	0.150	0.162	---	---	2
3	---	---	0.3340	0.4440	0.643	0.230	0.148	0.204	0.155	0.153	---	---	3
4	---	---	0.3240	0.5140	0.624	0.205	0.155	0.209	0.154	0.158	---	---	4
5	---	---	0.3240	0.585	0.590	0.198	0.161	0.211	0.160	0.158	---	---	5
6	---	---	0.3260	0.622	0.578	0.193	0.160	0.213	0.157	0.158	---	---	6
7	---	---	0.3280	0.684	0.696	0.184	0.161	0.200	0.161	0.158	---	---	7
8	---	---	0.3260	0.722	0.738	0.180	0.158	0.200	0.157	0.157	---	---	8
9	---	---	0.3280	0.811	0.768	0.180	0.155	0.207	0.154	0.161	---	---	9
10	---	---	0.3280	0.620	0.667	0.172	0.148	0.211	0.161	0.158	---	---	10
11	---	---	0.3280	0.632	0.644	0.183	0.148	0.214	0.232	0.182	---	---	11
12	---	---	0.3270	0.610	0.588	0.185	0.172	0.230	0.188	0.148	---	---	12
13	---	---	0.3270	0.588	0.488	0.180	0.178	0.210	0.184	0.180	---	---	13
14	---	---	0.3270	0.580	0.487	0.184	0.177	0.208	0.188	0.182	---	---	14
15	---	---	0.3280	0.583	0.412	0.170	0.174	0.210	0.188	0.188	---	---	15
16	---	---	0.3288	0.586	0.387	0.188	0.178	0.247	0.188	0.184	---	---	16
17	---	---	0.3288	0.524	0.483	0.183	0.178	0.221	0.184	0.181	---	---	17
18	---	---	0.3298	0.502	0.382	0.183	0.178	0.227	0.188	0.181	---	---	18
19	---	---	0.3298	0.485	0.344	0.184	0.184	0.228	0.188	0.168	---	---	19
20	---	---	0.3848	0.248	0.337	0.180	0.178	0.232	0.188	0.180	---	---	20
21	---	---	0.3738	0.237	0.340	0.183	0.178	0.278	0.189	0.168	---	---	21
22	---	---	0.3688	0.217	0.341	0.181	0.178	0.243	0.185	0.180	---	---	22
23	---	---	0.3248	0.218	0.318	0.180	0.188	0.226	0.187	0.180	---	---	23
24	---	---	0.4488	0.288	0.308	0.180	0.171	0.228	0.188	0.164	---	---	24
25	---	---	0.5848	0.328	0.302	0.188	0.178	0.233	0.182	0.160	---	---	25
26	---	---	0.5898	0.198	0.282	0.148	0.184	0.219	0.188	0.138	---	---	26
27	---	---	0.5448	0.208	0.270	0.181	0.188	0.184	0.188	0.147	---	---	27
28	---	---	0.4888	0.304	0.287	0.187	0.205	0.182	0.177	0.143	---	---	28
29	---	---	0.5388	0.318	0.271	0.183	0.208	0.138	0.174	0.142	---	---	29
30	---		0.4888	0.334	0.308	0.148	0.211	0.144	0.188	0.140	---	---	30
31	---		0.4338		0.338		0.220	0.184		0.144		---	31
TOTAL	---	---	9.482	11.687	13.882	5.232	5.413	6.478	4.880	4.885	---	---	TOTAL
MEAN	---	---	0.306	0.385	0.448	0.174	0.175	0.209	0.186	0.181	---	---	MEAN
MAX	---	---	0.585	0.822	0.788	0.300	0.320	0.278	0.233	0.184	---	---	MAX
MIN	---	---	0.232	0.188	0.282	0.148	0.148	0.138	0.184	0.138	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.283
MAXIMUM DAILY, 0.822 ON APR 5
MINIMUM DAILY, 0.138 ON AUG 28
MAXIMUM INSTANTANEOUS,
1.10 AT 13:30 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 13 34 N
LONG 99 27 17 W
DRAINAGE AREA, 954 km²

B - ICE CONDITIONS

REGULATED SINCE 1989

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	488
FEB	---	AUG	590
MAR	818	SEP	429
APR	1 020	OCT	488
MAY	1 200	NOV	---
JUN	482	DEC	---

TOTAL DISCHARGE, 6 350 dam³

REMARKS - PRIOR TO 1988, PUBLISHED AS "WHITEMUD RIVER"

BOISSEVAIN RESERVOIR NEAR BOISSEVAIN - STATION NO. 05DA801

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	518.588E	518.493	518.488E	518.529	518.788	518.738E	518.488E	518.218	518.023	518.788E	518.830	518.588	1
2	518.588E	518.488E	518.488	518.644E	518.788E	518.727	518.453	518.208E	518.012E	518.778	518.821E	518.588E	2
3	518.562E	518.484	518.488E	518.788	518.788	518.720E	518.448E	518.194	518.001	518.772E	518.812	518.583	3
4	518.575	518.481E	518.488	518.788E	518.788E	518.712	518.448	518.190E	518.889	518.767	518.821E	518.580E	4
5	518.578E	518.477	518.478E	518.818	518.788	518.708E	518.438	518.185	518.882E	518.778E	518.830	518.567	5
6	518.575	518.477E	518.484	518.828E	518.782E	518.705	518.441	518.170E	518.874	518.783	518.838E	518.564E	6
7	518.578E	518.478E	518.488E	518.834	518.788E	518.698	518.447E	518.154	518.888E	518.781E	518.842	518.551	7
8	518.575	518.478E	518.493	518.834E	518.800E	518.674	518.453	518.144E	518.858	518.778	518.838E	518.548E	8
9	518.567E	518.474E	518.488E	518.834	518.804	518.658	518.441E	518.133	518.840E	518.758E	518.836	518.545	9
10	518.560	518.473E	518.488	518.842E	518.804E	518.644	518.429	518.125E	518.825	518.737	518.833E	518.542E	10
11	518.552E	518.472E	518.488E	518.848	518.804	518.628	518.428E	518.118	518.842E	518.728E	518.830	518.539	11
12	518.545	518.471E	518.488	518.834E	518.804E	518.613	518.423	518.103E	518.858	518.722	518.827E	518.533E	12
13	518.548E	518.470E	518.488E	518.819	518.804	518.608E	518.420E	518.087	518.851E	518.718E	518.824	518.527	13
14	518.545	518.468E	518.488	518.819E	518.804E	518.606	518.417	518.087E	518.844	518.709	518.824E	518.523E	14
15	518.548E	518.468	518.488E	518.818	518.804	518.613E	518.412E	518.087	518.838E	518.708E	518.824	518.520	15
16	518.545	518.488E	518.493	518.818E	518.788E	518.621	518.407	518.080E	518.828	518.703	518.820E	518.517E	16
17	518.537E	518.488	518.488E	518.818	518.788	518.613E	518.400E	518.072	518.828E	518.702E	518.815	518.514	17
18	518.528	518.488E	518.484	518.815E	518.788E	518.606	518.392	518.065E	518.828	518.703	518.808E	518.508E	18
19	518.528E	518.488	518.484E	518.811	518.804	518.594E	518.377E	518.058E	518.844	518.887E	518.803	518.502	19
20	518.528	518.488E	518.484	518.807E	518.804E	518.583	518.362	518.051	518.844	518.891	518.801E	518.498E	20
21	518.528E	518.623	518.481E	518.804	518.804	518.571E	518.358	518.020	518.828	518.881E	518.800	518.493	21
22	518.528	518.618E	518.488	518.804E	518.798E	518.590	518.358	518.008E	518.828	518.881	518.797E	518.490E	22
23	518.522E	518.615	518.808E	518.804	518.794	518.582E	518.340E	518.006	518.813	518.879E	518.594	518.487	23
24	518.514	518.615E	518.814	518.798E	518.791E	518.545	518.322	518.987E	518.813	518.887	518.581E	518.488E	24
25	518.508E	518.615	518.814E	518.788	518.788	518.537E	518.310E	518.976	518.808E	518.884E	518.588	518.490	25
26	518.498	518.618E	518.814	518.788E	518.788E	518.529	518.298	518.974E	518.788	518.881	518.578E	518.487E	26
27	518.488E	518.623	518.822E	518.781	518.788	518.514E	518.286E	518.970E	518.788E	518.884E	518.588	518.484	27
28	518.488	518.642E	518.828	518.777E	518.788E	518.498	518.286	518.966	518.801	518.885	518.588E	518.478E	28
29	518.488E	518.681	518.828E	518.773	518.780	518.487E	518.283E	518.963E	518.788E	518.880E	518.583	518.472	29
30	518.488		518.828	518.781E	518.747E	518.478	518.282	518.961	518.788	518.845	518.588E	518.488E	30
31	518.488E		518.828E		518.743		518.283E	518.832E		518.838E		518.488	31
MEAN	518.541	518.488	518.487	518.784	518.780	518.611	518.384	518.072	518.842	518.713	518.819	518.517	MEAN
MAX	518.588	518.493	518.828	518.804	518.804	518.738	518.488	518.218	518.023	518.788	518.842	518.588	MAX
MIN	518.488	518.415	518.488	518.828	518.743	518.478	518.283	518.832	518.788	518.838	518.583	518.488	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MEAN, 518.238
MAXIMUM DAILY, 518.848 ON APR 11
MINIMUM DAILY, 518.488 ON DEC 31

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 12 48 N
LONG 100 01 53 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA,
49.7 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BOYNE RIVER ABOVE CARMAN DAM - STATION NO. 05DF801

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	282.528E	282.506	282.433E	282.486	282.318E	---	282.377	---	1
2	---	---	---	---	282.526	282.503E	282.418	282.458E	282.301E	---	282.402E	---	2
3	---	---	---	---	282.531E	282.498E	282.418E	282.466	282.288	282.076	282.427	---	3
4	---	---	---	---	282.536	282.486	282.418	282.458E	282.288E	282.081E	282.462E	---	4
5	---	---	---	---	282.536E	282.488E	282.451E	282.458E	282.288	282.107	282.477	---	5
6	---	---	---	---	282.543E	282.478	282.486	282.486	282.281E	282.117E	282.477E	---	6
7	---	---	---	---	282.548	282.488E	282.463E	282.458E	282.238	282.127E	282.477	---	7
8	---	---	---	---	282.558E	282.486	282.478E	282.458	282.203E	282.137	282.472E	---	8
9	---	---	---	---	282.566	282.441E	282.478	282.451E	282.188E	282.142E	282.467	---	9
10	---	---	---	---	282.578E	282.428	282.478E	282.448	282.138	282.147	282.462	---	10
11	---	---	---	282.788	282.586	282.428E	282.478	282.443E	---	282.152E	282.458E	---	11
12	---	---	---	282.788E	282.598E	282.428E	282.478E	282.438E	---	282.157	282.467	---	12
13	---	---	---	282.718E	282.613E	282.426	282.478	282.436	---	282.184E	---	---	13
14	---	---	---	282.661	282.626	282.438E	282.478E	282.438E	---	282.170E	---	---	14
15	---	---	---	282.688E	282.618E	282.446	282.478	282.436	---	282.177	---	---	15
16	---	---	282.480	282.628	282.608E	282.488E	282.478E	282.438E	---	282.177E	---	---	16
17	---	---	---	282.628E	282.598	282.473E	282.478E	282.438	---	282.177	---	---	17
18	---	---	---	282.626	282.588E	282.466	282.476	282.438E	---	282.127E	---	---	18
19	---	---	---	282.622E	282.578	282.488E	282.471E	282.438E	---	282.077	---	---	19
20	---	---	---	282.618	282.566E	282.493E	282.468	282.438	---	282.044E	---	---	20
21	---	---	---	282.608E	282.551	282.486	282.463E	282.438E	---	282.010E	---	---	21
22	---	---	---	282.598	282.551E	282.488E	282.458E	282.436	---	281.977	---	---	22
23	---	---	---	282.588E	282.551	282.486	282.468	282.433E	---	281.977E	---	---	23
24	---	---	---	282.578E	282.544E	282.488E	282.488E	282.428E	---	281.977E	---	---	24
25	---	---	---	282.568	282.536	282.486	282.458E	282.426	---	281.977	---	---	25
26	---	---	---	282.558E	282.528E	282.488E	282.456	282.421E	---	281.987E	---	---	26
27	282.488	---	---	282.548	282.523E	282.488	282.458E	282.418	---	281.987	---	---	27
28	---	---	---	282.538E	282.518	282.481	282.466	282.401E	---	282.187E	---	---	28
29	---	---	---	282.533E	282.518E	282.488	282.458E	282.386	---	282.377	---	---	29
30	---		---	282.526	282.518	282.488E	282.466	282.346	---	282.377E	---	---	30
31	---		---		282.511E		282.458E	282.331E		282.377E		---	31
MEAN	---	---	---	---	282.557	282.473	282.461	282.431	---	---	---	---	MEAN
MAX	---	---	---	---	282.578	282.506	282.488	282.458	---	---	---	---	MAX
MIN	---	---	---	---	282.511	282.428	282.418	282.331	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MINIMUM DAILY, 281.977 ON OCT 22

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 30 17 N
LONG 98 01 03 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1941

DRAINAGE AREA,
1 100 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BOYNE RIVER NEAR CARMAN - STATION NO. 05OF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2600	0.0670	0.1180	0.3870	0.520	0.282	0.018	0.010	0.001	0.002	0.001	0.0268	1
2	0.2480	0.0650	0.1180	0.3330	0.511	0.264	0.014	0.010	0.001	0.002	0.001	0.0268	2
3	0.2340	0.0580	0.1060	0.2640	0.438	0.258	0.012	0.010	0.001	0.002	0.001	0.0278	3
4	0.2120	0.0580	0.1030	2.08 E	0.484	0.198	0.011	0.009	0.001	0.002	0.001	0.0328	4
5	0.2120	0.1000	0.1010	4.62 E	0.838	0.228	0.011	0.008	0.001	0.002	0.001	0.0348	5
6	0.2150	0.0880	0.0880	5.86 E	0.580	0.281	0.012	0.007	0.001	0.002	0.041	0.0338	6
7	0.1880	0.0880	0.0880	7.44	0.627	0.207	0.058	0.007	0.001	0.002	0.043	0.0488	7
8	0.1870	0.1010	0.0920	5.74	0.854	0.141	0.088	0.008	0.001	0.002	0.027	0.0418	8
9	0.1880	0.1030	0.0960	4.73	0.898	0.088	0.077	0.007	0.001	0.002	0.0368	0.0388	9
10	0.1880	0.1060	0.1170	3.51	2.31	0.074	0.088	0.008	0.001	0.002	0.0348	0.0318	10
11	0.1880	0.1070	0.1640	2.76	2.82	0.068	0.057	0.003	0.001	0.002	0.0348	0.0278	11
12	0.1880	0.1070	0.1370	2.23	2.76	0.063	0.061	0.003	0.002	0.002	0.0288	0.0218	12
13	0.1880	0.1060	0.1410	1.87	2.84	0.053	0.188	0.002	0.002	0.002	0.0338	0.0278	13
14	0.1408	0.1038	0.1378	1.66	2.47	0.013	0.078	0.002	0.002	0.002	0.0368	0.0308	14
15	0.1278	0.1038	0.1288	1.48	2.01	0.013	0.083	0.002	0.002	0.002	0.0478	0.0288	15
16	0.1418	0.1018	0.1318	1.30	1.77	0.011	0.057	0.002	0.002	0.002	0.0838	0.0178	16
17	0.1338	0.1018	0.1428	1.15	1.48	0.010	0.044	0.002	0.003	0.002	0.0818	0.0188	17
18	0.1368	0.1038	0.1398	1.11	1.34	0.017	0.036	0.002	0.003	0.001	0.0418	0.0228	18
19	0.1178	0.1068	0.1238	0.998	1.15	0.101	0.036	0.001	0.003	0.001	0.0348	0.0248	19
20	0.1318	0.1078	0.1238	0.909	0.978	0.078	0.032	0.001	0.003	0.001	0.0318	0.0248	20
21	0.1088	0.1108	0.1188	0.888	0.708	0.087	0.030	0.001	0.003	0.001	0.0278	0.0278	21
22	0.1408	0.1138	0.1288	0.818	0.473	0.080	0.036	0.002	0.003	0.001	0.0268	0.0288	22
23	0.1178	0.1188	0.1888	0.808	0.718	0.048	0.023	0.002	0.003	0.001	0.0248	0.0268	23
24	0.1258	0.1188	0.1868	0.738	0.626	0.033	0.033	0.001	0.003	0.001	0.0258	0.0378	24
25	0.1168	0.1218	0.1788	0.688	0.588	0.033	0.022	0.001	0.003	0.001	0.0328	0.0808	25
26	0.1138	0.1228	0.1588	0.676	0.478	0.023	0.015	0.001	0.003	0.001	0.0428	0.0838	26
27	0.1188	0.1228	0.1578	0.673	0.406	0.017	0.014	0.001	0.002	0.001	0.0838	0.0878	27
28	0.1188	0.1218	0.2118	0.652	0.416	0.017	0.014	0.001	0.002	0.001	0.0488	0.0818	28
29	0.1128	0.1208	0.7658	0.624	0.384	0.080	0.013	0.001	0.002	0.001	0.0388	0.0868	29
30	0.1088		0.3928	0.608	0.368	0.034	0.021	0.001	0.002	0.001	0.0278	0.0868	30
31	0.0928		0.3888		0.315		0.017	0.001		0.001		0.0738	31
TOTAL	4.830	3.075	5.289	68.420	32.418	2.824	1.212	0.108	0.059	0.048	0.925	1.084	TOTAL
MEAN	0.158	0.106	0.171	1.95	1.05	0.094	0.038	0.004	0.002	0.002	0.031	0.035	MEAN
MAX	0.260	0.122	0.765	7.44	2.82	0.282	0.188	0.010	0.003	0.002	0.083	0.073	MAX
MIN	0.092	0.065	0.092	0.284	0.315	0.010	0.011	0.001	0.001	0.001	0.001	0.017	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.361
MAXIMUM DAILY, 7.44 ON APR 7
MINIMUM DAILY, 0.001 ON AUG 18
MAXIMUM INSTANTANEOUS,
8.31 AT 00:30 CST ON APR 7

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 00 N
LONG 97 56 40 W
DRAINAGE AREA, 1 260 km²

E - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	417	JUL	105
FEB	266	AUG	9.43
MAR	456	SEP	5.10
APR	5 950	OCT	4.15
MAY	2 800	NOV	78.8
JUN	244	DEC	94.8

TOTAL DISCHARGE, 8 930 dam³

BOYNE RIVER NEAR ROSEISLE - STATION NO. 05OF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1470	0.3868	0.068	0.045	0	0	0	0	---	---	1
2	---	---	0.0918	2.51 E	0.110	0.061	0	0	0	0	---	---	2
3	---	---	0.0428	3.54 E	0.125	0.050	0	0	0	0	---	---	3
4	---	---	0.0148	4.00 E	0.120	0.030	0	0	0	0	---	---	4
5	---	---	0.0008	0.08 E	0.115	0.020	0	0	0	0	---	---	5
6	---	---	0.2208	3.83 E	0.138	0.008	0	0	0	0	---	---	6
7	---	---	0.3338	2.85	0.158	0	0	0	0	0	---	---	7
8	---	---	0.2308	2.29	1.74	0	0	0	0	0	---	---	8
9	---	---	0.1138	1.82	1.82	0	0	0	0	0	---	---	9
10	---	---	0.0878	1.38	2.02	0	0	0	0	0	---	---	10
11	---	---	0.4308	1.06	2.38	0	0	0	0	0	---	---	11
12	---	---	0.7078	0.880	2.08	0	0	0	0	0	---	---	12
13	---	---	0.5208	0.817	1.48	0	0	0	0	0	---	---	13
14	---	---	0.2568	0.463	0.888	0	0	0	0	0	---	---	14
15	---	---	0.1878	0.371	0.788	0	0	0	0	0	---	---	15
16	---	---	0.2148	0.327	0.883	0	0	0	0	0	---	---	16
17	---	---	0.2718	0.295	0.443	0	0	0	0	0	---	---	17
18	---	---	0.2128	0.220	0.335	0	0	0	0	0	---	---	18
19	---	---	0.1868	0.203	0.308	0	0.001	0	0	0	---	---	19
20	---	---	0.1478	0.198	0.266	0	0.008	0	0	0	---	---	20
21	---	---	0.1288	0.168	0.195	0	0	0	0	0	---	---	21
22	---	---	0.1208	0.133	0.167	0	0	0	0	0	---	---	22
23	---	---	0.2798	0.111	0.147	0	0	0	0	0	---	---	23
24	---	---	1.74 E	0.118	0.118	0	0	0	0	0	---	---	24
25	---	---	1.37 E	0.088	0.107	0	0	0	0	0	---	---	25
26	---	---	0.7718	0.084	0.088	0	0	0	0	0	---	---	26
27	---	---	0.3348	0.083	0.083	0	0	0	0	0	---	---	27
28	---	---	0.1988	0.067	0.074	0	0	0	0	0	---	---	28
29	---	---	0.1388	0.057	0.087	0	0	0	0	0	---	---	29
30	---		0.0868	0.072	0.084	0	0	0	0	0	---	---	30
31	---		0.1068		0.083		0	0		0		---	31
TOTAL	---	---	9.808	24.068	17.171	0.211	0.008	0	0	0	---	---	TOTAL
MEAN	---	---	0.307	1.18	0.554	0.007	0	0	0	0	---	---	MEAN
MAX	---	---	1.74	4.00	2.38	0.061	0.008	0	0	0	---	---	MAX
MIN	---	---	0.008	0.067	0.063	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.201
MAXIMUM DAILY, 4.00 ON APR 4
MINIMUM DAILY, 0 ON JUN 7
MAXIMUM INSTANTANEOUS,
6.230 AT 07:40 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 32 30 N
LONG 98 24 02 W
DRAINAGE AREA, 574 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.78
FEB	---	AUG	0
MAR	531	SEP	0
APR	3 000	OCT	0
MAY	1 480	NOV	---
JUN	10.2	DEC	---

TOTAL DISCHARGE, 5 230 dam³

BOYNE RIVER NEAR STEPHENFIELD - STATION NO. 05DF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1858	0.0238	0.0428	0.636	0.274	0.186	0.205	0.183	0.130	0.042	0.341	0.0838	1
2	0.2028	0.0278	0.0368	1.84	0.383	0.273	0.208	0.202	0.118	0.083	0.288	0.0868	2
3	0.1838	0.0348	0.0378	5.41	0.376	0.246	0.188	0.183	0.125	0.088	0.088	0.1078	3
4	0.2078	0.0418	0.0288	7.24	0.387	0.218	0.186	0.186	0.122	0.083	0.051	0.1188	4
5	0.2348	0.0308	0.1238	6.83	0.388	0.177	0.202	0.189	0.138	0.083	0.032	0.0818	5
6	0.2378	0.0388	0.0888	6.28	0.381	0.180	0.201	0.181	0.134	0.084	0.030	0.0628	6
7	0.2368	0.0688	0.0438	5.42	0.470	0.183	0.172	0.188	0.143	0.083	0.025	0.0428	7
8	0.2288	0.0588	0.0508	4.43	1.18	0.183	0.186	0.210	0.105	0.088	0.027	0.0388	8
9	0.1888	0.0518	0.0488	3.86	2.84	0.188	0.176	0.213	0.124	0.078	0.030	0.0188	9
10	0.1448	0.0828	0.0828	2.83	2.74	0.170	0.188	0.185	0.138	0.080	0.0228	0.0218	10
11	0.1188	0.0618	0.0528	2.41	2.70	0.182	0.187	0.180	0.182	0.088	0.0258	0.0328	11
12	0.1128	0.0708	0.0468	1.98	2.80	0.146	0.170	0.188	0.148	0.083	0.0338	0.0848	12
13	0.1188	0.0728	0.0448	1.70	2.44	0.133	0.182	0.132	0.076	0.084	0.0308	0.0428	13
14	0.1388	0.0688	0.0488	1.37	2.01	0.140	0.138	0.117	0.078	0.081	0.0298	0.0158	14
15	0.1058	0.0718	0.0888	1.11	1.47	0.188	0.142	0.111	0.108	0.082	0.0318	0.0298	15
16	0.0888	0.0858	0.0888	1.08	1.08	0.138	0.181	0.108	0.083	0.084	0.0338	0.0368	16
17	0.0828	0.0818	0.0838	0.888	0.846	0.121	0.181	0.103	0.081	0.082	0.0288	0.0488	17
18	0.0818	0.0548	0.0888	0.748	0.714	0.110	0.174	0.108	0.028	0.084	0.0628	0.0328	18
19	0.0848	0.0488	0.0848	0.680	0.682	0.088	0.138	0.088	0.018E	0.088	0.1238	0.0328	19
20	0.0848	0.0888	0.0878	0.613	0.514	0.087	0.180	0.081	0.010E	0.084	0.1108	0.0348	20
21	0.0778	0.0838	0.0708	0.581	0.476	0.081	0.188	0.083	0.008E	0.070	0.1038	0.0848	21
22	0.0828	0.1008	0.0758	0.538	0.443	0.072	0.142	0.082	0.011E	0.086	0.1118	0.0818	22
23	0.0818	0.1028	0.0848	0.487	0.388	0.082	0.131	0.071	0.018E	0.083	0.1348	0.0888	23
24	0.0418	0.0888	0.0848	0.514	0.332	0.091	0.137	0.088	0.022E	0.088	0.1128	0.0848	24
25	0.0388	0.0888	1.28 B	0.443	0.333	0.088	0.122	0.088	0.040E	0.084	0.0948	0.0888	25
26	0.0408	0.0888	3.87 B	0.348	0.277	0.088	0.147	0.102	0.058E	0.048	0.0808	0.0808	26
27	0.0418	0.0788	3.70 B	0.343	0.288	0.081	0.138	0.081	0.088E	0.082	0.0808	0.0488	27
28	0.0378	0.0708	1.47 B	0.351	0.241	0.086	0.188	0.074	0.071E	0.088	0.0488	0.0808	28
29	0.0338	0.0808	0.847	0.286	0.217	0.092	0.159	0.080	0.073A	0.048	0.0788	0.0808	29
30	0.0178		0.897	0.288	0.210	0.110	0.153	0.088	0.083	0.082	0.0788	0.0718	30
31	0.0288		0.886		0.188		0.162	0.111		0.208		0.0898	31
TOTAL	3.838	1.832	12.832	60.866	27.886	4.080	5.080	4.121	2.488	2.020	2.318	1.883	TOTAL
MEAN	0.114	0.083	0.407	2.03	0.892	0.136	0.164	0.133	0.083	0.088	0.077	0.086	MEAN
MAX	0.237	0.102	3.87	7.24	2.80	0.273	0.208	0.213	0.182	0.208	0.341	0.187	MAX
MIN	0.017	0.023	0.038	0.288	0.188	0.072	0.132	0.088	0.008	0.042	0.020	0.018	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.351
MAXIMUM DAILY, 7.24 ON APR 4
MINIMUM DAILY, 0.0088 ON SEP 31
MAXIMUM INSTANTANEOUS,
7.84 AT 17:07 CST ON APR 4

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 48 N
LONG 98 14 58 W
DRAINAGE AREA, 883 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1984

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	305	JUL	440
FEB	157	AUG	388
MAR	1 080	SEP	215
APR	5 270	OCT	178
MAY	2 380	NOV	200
JUN	383	DEC	148

TOTAL DISCHARGE, 11 100 dam³

BOYNE RIVER NEAR TREHERNE - STATION NO. 05DF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1208	0.8718	0.180	0.034	---	---	---	---	---	---	1
2	---	---	0.1208	1.50 B	0.188	0.028	---	---	---	---	---	---	2
3	---	---	0.1408	2.44 B	0.222	0.022	---	---	---	---	---	---	3
4	---	---	0.1708	1.88 B	0.214	0.017	---	---	---	---	---	---	4
5	---	---	0.1838	1.48 B	0.180	0.018	---	---	---	---	---	---	5
6	---	---	0.3228	1.81	0.175	0.008	---	---	---	---	---	---	6
7	---	---	0.3868	1.31	0.278	0.004	---	---	---	---	---	---	7
8	---	---	0.3898	1.08	1.58	0.003	---	---	---	---	---	---	8
9	---	---	0.2568	0.887	1.87	0.002	---	---	---	---	---	---	9
10	---	---	0.2878	0.704	1.11	0.002	---	---	---	---	---	---	10
11	---	---	0.2328	0.573	0.758	0.002	---	---	---	---	---	---	11
12	---	---	0.2028	0.501	0.602	0.002	---	---	---	---	---	---	12
13	---	---	0.1728	0.418	0.542	0.002	---	---	---	---	---	---	13
14	---	---	0.0848	0.331	0.454	0.002	---	---	---	---	---	---	14
15	---	---	0.0948	0.278	0.388	0.003	---	---	---	---	---	---	15
16	---	---	0.0938	0.236	0.367	0.002	---	---	---	---	---	---	16
17	---	---	0.1338	0.217	0.312	0.002	---	---	---	---	---	---	17
18	---	---	0.1588	0.216	0.278	0.003	---	---	---	---	---	---	18
19	---	---	0.1468	0.201	0.256	0.002	---	---	---	---	---	---	19
20	---	---	0.1388	0.182	0.228	0.002	---	---	---	---	---	---	20
21	---	---	0.1428	0.171	0.198	0.001	---	---	---	---	---	---	21
22	---	---	0.1588	0.166	0.173	0.001	---	---	---	---	---	---	22
23	---	---	0.1888	0.131	0.148	0.001	---	---	---	---	---	---	23
24	---	---	0.2588	0.131	0.124	0.001	---	---	---	---	---	---	24
25	---	---	0.4778	0.138	0.104	0	---	---	---	---	---	---	25
26	---	---	0.3878	0.127	0.088	0	---	---	---	---	---	---	26
27	---	---	0.2608	0.117	0.088	0	---	---	---	---	---	---	27
28	---	---	0.2288	0.138	0.080	0	---	---	---	---	---	---	28
29	---	---	0.2878	0.113	0.048	0	---	---	---	---	---	---	29
30	---		0.2888	0.128	0.043	0	---	---	---	---	---	---	30
31	---		0.3888		0.032		---	---	---	---	---	---	31
TOTAL	---	---	6.857	16.026	11.347	0.182	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.221	0.801	0.366	0.006	---	---	---	---	---	---	MEAN
MAX	---	---	0.477	2.44	1.87	0.034	---	---	---	---	---	---	MAX
MIN	---	---	0.084	0.113	0.032	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.208
MAXIMUM DAILY, 2.448 ON APR 3
MINIMUM DAILY, 0 ON JUN 25
MAXIMUM INSTANTANEOUS,
2.868 AT 23:08 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 18 N
LONG 98 36 35 W
DRAINAGE AREA, 274 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	592	SEP	---
APR	1 880	OCT	---
MAY	880	NOV	---
JUN	14.0	DEC	---

TOTAL DISCHARGE, 3 150 dam³

BRERETON LAKE AT BRERETON LAKE (INVERNESS FALLS) - STATION NO. 05PE007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	315.835E	315.721	315.839E	315.880	---	---	---	1
2	---	---	---	---	---	315.831E	315.708E	315.835E	315.883E	---	---	---	2
3	---	---	---	---	---	315.826E	315.698E	315.836E	315.878E	---	---	---	3
4	---	---	---	---	315.870	315.832	315.801	315.837	315.878E	---	315.885	---	4
5	---	---	---	---	---	315.820E	315.790E	315.833E	315.873E	---	---	---	5
6	---	---	---	---	---	315.818	315.818	315.828E	315.870	315.870	---	---	6
7	---	---	---	---	---	315.807E	315.816E	315.825	315.870E	---	---	---	7
8	---	---	---	---	---	315.798E	315.814E	315.820E	315.868E	---	---	---	8
9	---	---	---	---	---	315.784E	315.812	315.818E	315.866E	---	---	---	9
10	---	---	---	---	315.870	315.773	315.822E	315.808E	315.867E	---	---	---	10
11	---	---	---	---	---	315.776E	315.831	315.804	315.867E	---	---	---	11
12	---	---	---	---	---	315.770E	315.836	315.804E	315.868E	---	---	---	12
13	---	---	---	---	---	315.760E	315.836E	315.804	315.866E	---	---	---	13
14	---	---	---	---	---	315.763E	315.844	315.807	315.864	---	---	---	14
15	---	---	---	---	315.864	315.766E	315.848E	315.806E	315.870E	---	---	---	15
16	---	---	315.832	---	---	315.786	315.852	315.893E	315.878E	---	---	---	16
17	---	---	---	315.863	---	315.787E	315.858E	315.888	315.881E	315.861	---	---	17
18	---	---	---	---	---	315.787	315.864	315.888E	315.886E	---	---	---	18
19	---	---	---	---	---	315.778E	315.887E	315.886E	315.882	---	---	---	19
20	---	---	---	---	---	315.769E	315.888E	315.886	---	---	---	---	20
21	---	---	---	---	---	315.761	315.871E	315.893E	---	---	---	---	21
22	---	---	---	---	---	315.758E	315.873E	315.901	---	---	---	---	22
23	---	---	---	---	---	315.750E	315.876E	315.898E	---	---	---	---	23
24	---	---	---	---	---	315.744E	315.878E	315.898	---	---	---	---	24
25	---	---	---	---	---	315.738E	315.880E	315.898E	---	---	---	---	25
26	---	---	---	---	---	315.733	315.883	315.893E	---	---	---	---	26
27	---	---	---	---	315.836	315.738E	315.887E	315.891E	---	---	---	---	27
28	---	---	---	---	315.844E	315.742	315.911E	315.889	---	---	---	---	28
29	---	---	---	---	315.849	315.736E	315.926E	315.888E	---	---	---	---	29
30	---		---	---	315.844E	315.728E	315.940	315.887E	---	---	---	---	30
31	---		---		315.840E		315.940E	315.886E		---		---	31
MEAN	---	---	---	---	---	315.776	315.838	315.865	---	---	---	---	MEAN
MAX	---	---	---	---	---	315.835	315.940	315.938	---	---	---	---	MAX
MIN	---	---	---	---	---	315.728	315.681	315.885	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 55 30 N
LONG 95 32 30 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1962

DRAINAGE AREA, 159 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BROKENHEAD RIVER NEAR BEAUSEJOUR - STATION NO. 05SA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.075B	0.041B	0.027B	1.44 B	0.313	0.241	0.515	0.146	0.058	0.022	0.198B	0.182B	1
2	0.073B	0.040B	0.028B	2.99 B	0.262	0.252	0.438	0.182	0.073	0.022	0.202B	0.106B	2
3	0.064B	0.039B	0.028B	4.97 B	0.234	0.258	0.283	0.150	0.066	0.022	0.200B	0.178B	3
4	0.059B	0.037B	0.030B	5.36 B	0.240	0.280	0.227	0.117	0.040	0.024	0.211B	0.222B	4
5	0.058B	0.041B	0.032B	3.63 B	0.235	0.281	0.300	0.088	0.135	0.018	0.227B	0.105B	5
6	0.058B	0.039B	0.040B	2.98 B	0.213	0.322	0.365	0.080	0.041	0.017	0.288B	0.046B	6
7	0.056B	0.037B	0.048B	2.63 B	0.218	0.402	1.67	0.063	0.151	0.017	0.240B	0.018B	7
8	0.054B	0.037B	0.061B	2.07 B	0.225	0.376	1.21	0.023	0.038	0.020	0.247B	0.008B	8
9	0.054B	0.036B	0.077B	1.91 B	0.228	0.348	0.885	0.018	0.028	0.018	0.276B	0.034B	9
10	0.053B	0.035B	0.088B	2.73 B	0.181	0.381	0.468	0.014	0.024	0.018	0.237B	0.088B	10
11	0.052B	0.035B	0.087B	2.88 B	0.184	0.301	0.387	0.013	0.077	0.018	0.384B	0.018B	11
12	0.052B	0.035B	0.085B	2.49	0.165	0.211	0.305	0.100	0.088	0.018	0.216B	0.068B	12
13	0.052B	0.034B	0.082B	2.14	0.147	0.179	0.272	0.107	0.037	0.023	0.224B	0.206B	13
14	0.051B	0.034B	0.078B	3.94	0.145	0.205	0.488	0.083	0.076	0.021	0.388B	0.187B	14
15	0.051B	0.033B	0.076B	2.49	0.138	0.268	0.483	0.051	0.037	0.016	0.639B	0.204B	15
16	0.050B	0.033B	0.074B	2.00	0.130	0.371	0.312	0.045	0.037	0.027	1.02 B	0.004B	16
17	0.050B	0.035B	0.071B	1.68	0.118	0.319	0.279	0.056	0.038	0.027	0.613B	0.010B	17
18	0.048B	0.033B	0.068B	1.27	0.117	0.335	0.194	0.045	0.037	0.027	0.421B	0.178B	18
19	0.048B	0.032B	0.068B	1.14	0.115	0.287	0.111	0.045	0.068	0.027	0.280B	0.513B	19
20	0.046B	0.032B	0.078B	0.936	0.123	0.378	0.044	0.057	0.034	0.030	0.214B	0.718B	20
21	0.048B	0.031B	0.081B	0.785	0.211	0.483	0.408	0.043	0.038	0.028	0.208B	0.748B	21
22	0.047B	0.033B	0.102B	0.658	0.236	0.553	0.418	0.079	0.038	0.030	0.240B	0.802B	22
23	0.046B	0.032B	0.114B	0.585	0.143	0.777	0.312	0.038	0.028	0.034	0.280B	0.786B	23
24	0.046B	0.031B	0.128B	0.432	0.043	0.842	0.268	0.034	0.033	0.031	0.245B	0.852B	24
25	0.046B	0.030B	0.145B	0.418	0.020	0.946	0.288	0.031	0.028	0.030	0.256B	0.864B	25
26	0.045B	0.028B	0.157B	0.386	0.067	0.901	0.248	0.030	0.021	0.030	0.345B	1.01 B	26
27	0.045B	0.028B	0.173B	0.341	0.184	0.800	0.238	0.045	0.033	0.037	0.218B	0.922B	27
28	0.044B	0.026B	0.176B	0.287	0.188	0.887	0.181	0.058	0.027	0.043	0.245B	0.785B	28
29	0.044B	0.028B	0.184B	0.287	0.222	0.818	0.176	0.081	0.023	0.052	0.232B	0.806B	29
30	0.043B		0.181B	0.289	0.189	0.848	0.158	0.074	0.024	0.063	0.108B	0.404B	30
31	0.043B		0.818B		0.265		0.138	0.052		0.072		0.249B	31
TOTAL	1.802	0.986	3.614	55.506	5.498	13.246	11.884	2.018	1.412	0.886	9.141	11.170	TOTAL
MEAN	0.052	0.034	0.117	1.85	0.177	0.442	0.383	0.065	0.047	0.028	0.305	0.361	MEAN
MAX	0.075	0.041	0.818	5.36	0.313	0.946	1.67	0.182	0.151	0.072	1.02	1.01	MAX
MIN	0.043	0.026	0.026	0.287	0.020	0.179	0.044	0.013	0.021	0.016	0.108	0.004	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.330
MAXIMUM DAILY, 5.36B ON APR 4
MINIMUM DAILY, 0.004B ON DEC 16
MAXIMUM INSTANTANEOUS,
5.39B AT 01:42 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 25 N
LONG 96 35 40 W
DRAINAGE AREA, 1 560 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	139	JUL	1 030
FEB	85.4	AUG	174
MAR	312	SEP	122
APR	4 800	OCT	76.6
MAY	475	NOV	790
JUN	1 140	DEC	966

TOTAL DISCHARGE, 10 100 dam³

BROKENHEAD RIVER NEAR VIVIAN - STATION NO. 05BA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0888	0.471	0.410	0.581	0.108	0	0	---	---	1
2	---	---	0 B	0.2308	0.458	0.383	0.502	0.128	0	0	---	---	2
3	---	---	0 B	0.4788	0.430	0.363	0.418	0.157	0	0	---	---	3
4	---	---	0 B	0.6808	0.402	0.351	0.338	0.148	0	0	---	---	4
5	---	---	0 B	0.8718	0.370	0.327	0.288	0.118	0	0	---	---	5
6	---	---	0 B	0.7748	0.343	0.304	0.333	0.081	0	0	---	---	6
7	---	---	0 B	0.6788	0.288	0.288	0.288	0.068	0	0	---	---	7
8	---	---	0 B	1.18 B	0.288	0.284	0.243	0.023	0	0	---	---	8
9	---	---	0 B	1.84 B	0.343	0.244	0.213	0.008	0	0	---	---	9
10	---	---	0 B	1.80 B	0.381	0.234	0.178	0.008	0	0	---	---	10
11	---	---	0 B	1.88	0.353	0.238	0.144	0.004	0	0	---	---	11
12	---	---	0 B	1.84	0.340	0.278	0.131	0.003	0	0	---	---	12
13	---	---	0 B	1.38	0.328	0.314	0.158	0.004	0	0	---	---	13
14	---	---	0 B	1.17	0.358	0.358	0.202	0.008	0	0	---	---	14
15	---	---	0 B	1.02	0.337	0.428	0.228	0.008	0	0	---	---	15
16	---	---	0 B	0.881	0.321	0.473	0.228	0.003	0.003E	0	---	---	16
17	---	---	0 B	0.743	0.340	0.484	0.227	0.004	0.003E	0.008	---	---	17
18	---	---	0 B	0.612	0.328	0.611	0.213	0.003	0.002E	0.088	---	---	18
19	---	---	0 B	0.486	0.378	0.883	0.251	0.002	0.001E	0.118	---	---	19
20	---	---	0 B	0.383	0.370	0.708	0.288	0.002	0	0.188	---	---	20
21	---	---	0 B	0.383	0.384	0.618	0.259	0.003	0	0.218	---	---	21
22	---	---	0 B	0.378	0.370	0.882	0.218	0	0	0.285	---	---	22
23	---	---	0.0088	0.408	0.417	0.822	0.178	0	0	0.284	---	---	23
24	---	---	0.0288	0.388	0.420	0.818	0.188	0	0	0.294	---	---	24
25	---	---	0.0188	0.388	0.427	0.888	0.188	0	0	0.302	---	---	25
26	---	---	0 B	0.428	0.418	0.848	0.188	0	0	0.281	---	---	26
27	---	---	0 B	0.422	0.413	0.802	0.088	0	0	0.288	---	---	27
28	---	---	0 B	0.488	0.417	0.771	0.028	0	0	0.2418	---	---	28
29	---	---	0 B	0.449	0.447	0.718	0.018	0	0	0.2118	---	---	29
30	---		0 B	0.458	0.448	0.843	0.083	0	0	0.1788	---	---	30
31	---		0.0088		0.438		0.133	0		0.1828		---	31
TOTAL	---	---	0.880	22.880	11.778	15.800	7.018	0.574	0.011	3.080	---	---	TOTAL
MEAN	---	---	0.002	0.765	0.380	0.520	0.228	0.028	0	0.088	---	---	MEAN
MAX	---	---	0.028	1.80	0.471	0.822	0.581	0.157	0.008	0.302	---	---	MAX
MIN	---	---	0	0.088	0.288	0.234	0.018	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.280
MAXIMUM DAILY, 1.808 ON APR 10
MINIMUM DAILY, 00 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 07 N
LONG 98 21 57 W
DRAINAGE AREA, 880 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	808
FEB	---	AUG	75.8
MAR	4.32	SEP	0.88
APR 1 880		OCT	284
MAY 1 020		NOV	---
JUN 1 370		DEC	---

TOTAL DISCHARGE, 6 300 dam³

BUFFALO CREEK NEAR ROSENFELD - STATION NO. 05DC019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0288	0.010	0.083	0	0	0	0	---	---	1
2	---	---	0 B	0.1088	0.008	0.080	0	0	0	0	---	---	2
3	---	---	0 B	0.0478	0.003	0.068	0	0	0	0	---	---	3
4	---	---	0 B	1.02 B	0.001	0.054	0	0	0	0	---	---	4
5	---	---	0 B	2.34 B	0.001	0.048	0	0	0	0	---	---	5
6	---	---	0 B	2.05 B	0.001	0.038	0	0	0	0	---	---	6
7	---	---	0 B	1.57 B	0.001	0.032	0	0	0	0	---	---	7
8	---	---	0 B	1.32	0.008	0.024	0	0	0	0	---	---	8
9	---	---	0 B	0.882	0.008	0.014	0	0	0	0	---	---	9
10	---	---	0 B	0.448	0.008	0.008	0	0	0	0	---	---	10
11	---	---	0 B	0.311	0.004	0.001	0	0	0	0	---	---	11
12	---	---	0 B	0.218	0.004	0	0	0	0	0	---	---	12
13	---	---	0 B	0.188	0.004	0	0	0	0	0	---	---	13
14	---	---	0 B	0.137	0.002	0	0	0	0	0	---	---	14
15	---	---	0 B	0.118	0.001	0	0	0	0	0	---	---	15
16	---	---	0 B	0.102	0.001	0	0	0	0	0	---	---	16
17	---	---	0 B	0.087	0.001	0	0	0	0	0	---	---	17
18	---	---	0 B	0.078	0.001	0	0	0	0	0	---	---	18
19	---	---	0 B	0.087	0.004	0	0	0	0	0	---	---	19
20	---	---	0 B	0.081	0.122	0	0A	0	0	0	---	---	20
21	---	---	0.0088	0.088	0.148	0	0	0	0	0	---	---	21
22	---	---	0.0148	0.081	0.138	0	0	0	0	0	---	---	22
23	---	---	0.0178	0.048	0.114	0	0	0	0	0	---	---	23
24	---	---	0.0218	0.042	0.108	0	0	0	0	0	---	---	24
25	---	---	0.0488	0.037	0.088	0	0	0	0	0	---	---	25
26	---	---	0.0478	0.033	0.088	0	0	0	0	0	---	---	26
27	---	---	0.0418	0.030	0.083	0	0	0	0	0.021E	---	---	27
28	---	---	0.0288	0.028	0.087	0	0	0	0	0.0188	---	---	28
29	---	---	0.0088	0.020	0.081	0	0	0	0	0.0138	---	---	29
30	---		0.0088	0.018	0.073	0	0	0	0	0.0088	---	---	30
31	---		0.0068		0.067		0	0		0.0038		---	31
TOTAL	---	---	0.248	13.218	1.284	0.388	0	0	0	0.081	---	---	TOTAL
MEAN	---	---	0.008	0.440	0.041	0.013	0	0	0	0.002	---	---	MEAN
MAX	---	---	0.047	2.34	0.148	0.083	0	0	0	0.021	---	---	MAX
MIN	---	---	0	0.018	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.082
MAXIMUM DAILY, 2.340 ON APR 5
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.480 AT 14:13 CST ON APR 5

REMARKS - PRIOR TO 1988, PUBLISHED AS "PLUM RIVER"

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 30 N
LONG 97 24 00 W
DRAINAGE AREA, 744 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	21.4	SEP	0
APR 1 140		OCT	5.27
MAY 100		NOV	---
JUN 34.5		DEC	---

TOTAL DISCHARGE, 1 310 dam³

BURNTWOOD RIVER ABOVE LEAF RAPIDS - STATION NO. 05TB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.748	3.888	3.738	3.888	13.08	39.7	20.8	13.8	7.88	8.73	7.108	8.828	1
2	4.738	3.888	3.738	3.888	33.58	40.8	20.7	13.8	7.88	8.88	7.038	8.888	2
3	4.708	3.888	3.738	3.888	36.28	41.8	20.4	13.8	7.87	8.87	8.988	8.888	3
4	4.888	3.888	3.738	3.888	88.18	41.8	20.3	13.2	7.48	8.83	8.888	8.828	4
5	4.878	3.888	3.738	3.888	78.48	40.4	19.8	12.8	7.28	8.84	8.828	8.888	5
6	4.888	3.888	3.738	3.888	83.78	38.8	19.7	12.8	7.11	8.80	8.828	8.788	6
7	4.848	3.888	3.738	3.888	88.38	34.7	19.8	12.1	8.84	8.78	8.828	8.868	7
8	4.488	3.888	3.738	3.888	84.88	31.8	20.8	11.8	7.87	8.88	8.828	8.828	8
9	4.428	3.888	3.738	3.888	82.28	30.2	21.8	11.7	7.62	8.84	8.828	8.878	9
10	4.328	3.888	3.738	3.888	80.8	30.8	21.8	11.8	8.88	8.48	8.828	8.848	10
11	4.248	3.888	3.738	3.888	78.8	30.3	20.8	11.8	8.38	8.18	8.828	8.828	11
12	4.188	3.838	3.738	3.888	78.8	29.7	19.8	11.7	8.41	8.84	8.828	8.448	12
13	4.188	3.818	3.738	3.888	88.1	28.8	18.8	11.8	8.38	7.81	8.888	8.418	13
14	4.188	3.788	3.738	3.888	81.8	28.8	17.8	11.3	8.18	7.81	8.778	8.388	14
15	4.188	3.788	3.738	3.888	87.8	28.8	18.8	11.2	8.18	7.78	8.788	8.348	15
16	4.158	3.788	3.738	3.888	84.1	28.8	17.2	11.8	8.32	7.74	8.748	8.318	16
17	4.148	3.788	3.738	3.888	82.8	28.3	18.1	10.8	8.88	7.88	8.728	8.288	17
18	4.118	3.778	3.738	3.888	81.4	27.7	20.8	10.3	7.88	7.88	8.888	8.288	18
19	4.108	3.778	3.738	3.888	80.2	27.8	21.1	8.77	7.83	7.87	8.828	8.188	19
20	4.048	3.778	3.738	3.888	48.4	27.8	20.8	8.34	7.80	7.87	8.888	8.158	20
21	4.038	3.788	3.728	3.888	47.3	28.2	19.8	8.83	7.88	7.71	8.478	8.108	21
22	4.008	3.788	3.728	3.888	47.8	27.8	19.3	8.87	7.82	7.73	8.458	8.048	22
23	3.888	3.788	3.728	3.888	46.1	26.8	18.3	8.84	7.88	7.84	8.428	8.888	23
24	3.828	3.788	3.728	3.788	44.2	24.8	17.8	8.83	8.33	7.86	8.348	8.828	24
25	3.838	3.788	3.728	3.788	43.8	24.1	16.8	8.78	8.81	7.87	8.318	4.828	25
26	3.818	3.738	3.708	3.838	42.2	24.2	15.2	8.84	8.78	7.82	8.218	4.878	26
27	3.818	3.738	3.708	3.888	41.4	23.8	15.8	8.88	8.74	7.81	8.188	4.848	27
28	3.888	3.738	3.708	4.338	40.8	23.1	15.1	8.78	8.78	7.71	8.158	4.828	28
28	3.108	3.738	3.708	4.788	40.4	22.8	14.7	8.48	8.73	7.88	8.828	4.788	28
30	3.888		3.708	8.348	38.8	21.8	14.1	8.88	8.71	7.47	8.888	4.788	30
31	3.888		3.888		38.8		14.1	7.77		7.258		4.748	31
TOTAL	130.83	110.48	115.38	115.13	1 887.8	888.4	880.2	230.88	228.28	280.88	188.73	184.82	TOTAL
MEAN	4.21	3.81	3.72	3.84	84.4	30.8	18.7	10.7	7.88	8.08	8.82	8.31	MEAN
MAX	4.74	3.88	3.72	8.34	88.3	41.8	21.8	13.8	8.78	8.87	7.10	8.82	MAX
MIN	3.88	3.73	3.88	3.88	12.8	21.8	14.1	7.77	8.84	7.28	8.88	4.74	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.2
MAXIMUM DAILY, 88.38 ON MAY 7
MINIMUM DAILY, 3.888 ON APR 18

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 88 38 88 N
LONG 88 13 38 W
DRAINAGE AREA, 8 288 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 388	JUL	80 188
FEB	8 848	AUG	28 888
MAR	8 878	SEP	38 788
APR	8 888	OCT	21 888
MAY	148 888	NOV	17 288
JUN	77 788	DEC	14 288

TOTAL DISCHARGE, 417 888 dam³

BURNTWOOD RIVER NEAR THOMPSON - STATION NO. 05TB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 8388	1 8188	8478	8848	7588	888	784	788	847	1 818	878	8748	1
2	1 8388	1 8188	8448	8888	7848	884	783	788	847	1 818	878	8738	2
3	1 8388	1 8188	8438	7888	8888	881	778	888	848	1 818	878	8728	3
4	1 8388	1 8888	8388	7848	8138	882	774	885	847	1 818	873	8718	4
5	1 8388	1 8888	8388	7818	8788	887	772	888	848	1 818	874	8788	5
6	1 8388	1 8888	8338	7888	1 8388	883	778	811	882	1 818	878	8788	6
7	1 8388	1 8888	8278	7848	1 8388	884	788	818	888	1 818	877	8878	7
8	1 8388	1 8888	8218	7818	1 8888	888	782	813	882	1 888	888	8888	8
9	1 8388	8388	8178	7788	1 138	881	783	818	874	885	883	8848	9
10	1 8388	8888	8138	7738	1 138	848	782	833	882	888	874	8838	10
11	1 8388	8888	8888	7788	1 118	884	788	838	884	882	871	8818	11
12	1 8388	8848	8888	7678	1 888	887	787	838	882	873	8718	8888	12
13	1 8388	8888	8858	7848	1 878	888	781	835	887	888	8738	8888	13
14	1 8388	8888	8818	7818	1 848	888	782	838	817	884	8738	8838	14
15	1 8388	8888	8888	7888	1 828	884	788	838	828	883	8738	8818	15
16	1 8388	8888	8838	7888	887	848	748	842	838	843	8738	8488	16
17	1 8388	8848	8778	7838	883	848	788	848	843	835	8738	8488	17
18	1 8388	8818	8728	7488	888	847	748	841	848	826	8748	8438	18
18	1 8388	8778	8678	7488	858	843	784	844	888	818	8748	8418	18
20	1 8388	8788	8888	7438	848	838	748	848	888	821	8748	8388	20
21	1 8188	8748	8578	7488	832	837	748	848	885	812	8788	8378	21
22	1 8188	8738	8538	7378	823	831	748	888	878	814	8788	8388	22
23	1 8188	8888	8488	7338	813	827	747	851	888	888	8788	8318	23
24	1 8188	8888	8438	7388	884	824	747	848	885	888	8748	8288	24
25	1 8188	8838	8388	7388	888	818	782	848	888	883	8748	8288	25
26	1 8188	8888	8388	7288	887	815	788	848	888	888	8748	8238	26
27	1 8188	8888	8288	7388	888	813	788	848	1 888	883	8748	8288	27
28	1 8188	8888	8238	7288	874	888	783	848	1 888	877	8748	8188	28
28	1 8188	8818	8288	7388	873	881	787	848	1 818	874	8748	8138	28
38	1 8188		8188	7388	888	783	772	848	1 818	878	8748	8188	38
31	1 8188		8188		881		781	848		888		8888	31
TOTAL	31 838	38 887	27 328	32 787	38 878	25 338	23 888	28 788	27 771	28 338	28 247	28 238	TOTAL
MEAN	1 838	888	882	788	887	841	788	832	838	848	878	848	MEAN
MAX	1 838	1 818	847	884	1 138	884	784	888	1 818	1 818	888	874	MAX
MIN	1 818	881	818	738	788	782	744	788	847	874	871	888	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 888
MAXIMUM DAILY, 1 138 ON MAY 18
MINIMUM DAILY, 7288 ON APR 28
MAXIMUM INSTANTANEOUS,
1 138 AT 82:34 CST ON MAY 18

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 88 44 48 N
LONG 87 83 38 W
DRAINAGE AREA, 18 888 km²

B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 738 888	JUL	2 888 888
FEB	2 478 888	AUG	2 338 888
MAR	2 388 888	SEP	2 488 888
APR	1 878 888	OCT	2 538 888
MAY	2 588 888	NOV	2 378 888
JUN	2 188 888	DEC	2 378 888

TOTAL DISCHARGE, 28 888 888 dam³

BURROWS RESERVOIR NEAR MERRIDALE - STATION NO. 05LJ011

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	823.844	823.740	823.884	823.835	824.852	824.832	824.332	824.188	824.182	824.178	824.132	824.014	1
2	823.841	823.734	823.881	823.836	824.863	824.787	824.310	824.183	824.182	824.178	824.130	824.011	2
3	823.836	823.727	823.868	823.861	825.318	824.778	824.304	824.188	824.178	824.182	824.128	824.008	3
4	823.823	823.721	823.842	823.872	825.800	824.748	824.288	824.180	824.178	824.178	824.148	823.888	4
5	823.818	823.718	823.838	823.827	826.083	824.721	824.278	824.187	824.172	824.178	824.142	823.988	5
6	823.816	823.708	823.829	823.700	826.178E	824.887	824.288	824.184	824.183	824.178	824.138	823.899	6
7	823.804	823.887	823.828	823.778	826.184E	824.876	824.282	824.180	824.188	824.178	824.138	823.884	7
8	823.886	823.891	823.820	823.888	826.102E	824.838	824.273	824.148	824.172	824.178	824.133	823.877	8
9	823.888	823.882	823.814	823.880	826.004E	824.817	824.270	824.138	824.180	824.188	824.124	823.888	9
10	823.883	823.878	823.811	824.020	825.928	824.898	824.268	824.138	824.181	824.185	824.121	823.888	10
11	823.877	823.870	823.806	824.078	825.870	824.888	824.262	824.130	824.187	824.178	824.118	823.880	11
12	823.871	823.887	823.802	824.138	825.812	824.878	824.243	824.130	824.181	824.178	824.108	823.844	12
13	823.888	823.887	823.483	824.184	825.738	824.868	824.282	824.127	824.181	824.178	824.088	823.836	13
14	823.889	823.884	823.487	824.281	825.881	824.880	824.248	824.124	824.142	824.188	824.086	823.832	14
15	823.882	823.881	823.481	824.313	825.833	824.884	824.282	824.124	824.139	824.188	824.083	823.828	15
16	823.843	823.846	823.474	824.388	825.871	824.832	824.243	824.130	824.142	824.188	824.083	823.818	16
17	823.834	823.838	823.488	824.418	825.804	824.823	824.240	824.180	824.148	824.181	824.084	823.810	17
18	823.828	823.827	823.459	824.482	825.474	824.802	824.240	824.187	824.148	824.184	824.078	823.804	18
19	823.822	823.827	823.456	824.544	825.418	824.496	824.240	824.183	824.181	824.188	824.078	823.801	19
20	823.818	823.818	823.459	824.572	825.370	824.482	824.233	824.188	824.148	824.184	824.075	823.888	20
21	823.810	823.812	823.482	824.583	825.331	824.458	824.227	824.188	824.138	824.181	824.072	823.886	21
22	823.807	823.808	823.488	824.837	825.282	824.428	824.212	824.178	824.184	824.208	824.088	823.886	22
23	823.801	823.888	823.488	824.848	825.227	824.418	824.218	824.181	824.181	824.221	824.080	823.883	23
24	823.788	823.880	823.488	824.888	825.178	824.407	824.208	824.188	824.184	824.218	824.087	823.877	24
25	823.788	823.884	823.478	824.788	825.133	824.388	824.203	824.188	824.184	824.212	824.081	823.871	25
26	823.782	823.878	823.488	824.788	825.078	824.371	824.200	824.185	824.188	824.208	824.044	823.885	26
27	823.778	823.888	823.882	824.724	825.032	824.358	824.188	824.188	824.180	824.182	824.038	823.888	27
28	823.784	823.880	823.814	824.782	824.988	824.348	824.181	824.188	824.188	824.184	824.032	823.882	28
29	823.788	823.887	823.828	824.778	824.938	824.331	824.188	824.182	824.172	824.148	824.028	823.843	29
30	823.788		823.833	824.784	824.888	824.328	824.172	824.178	824.178	824.142	824.020	823.827	30
31	823.748		823.832		824.837		824.172	824.182		824.138		823.831	31
MEAN	823.845	823.848	823.802	824.248	825.483	824.843	824.242	824.180	824.188	824.183	824.081	823.823	MEAN
MAX	823.844	823.740	823.884	824.784	826.184	824.822	824.332	824.181	824.182	824.221	824.148	824.014	MAX
MIN	823.748	823.887	823.488	823.835	824.837	824.328	824.172	824.124	824.138	824.138	824.020	823.831	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 824.188
MAXIMUM DAILY, 826.184E ON MAY 7
MINIMUM DAILY, 823.488 ON MAR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 51 N
LONG 101 02 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1984

DRAINAGE AREA,
826 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

REMARKS - PRIOR TO 1988, PUBLISHED AS "UPPER GRANDVIEW"

CADDY LAKE AT CADDY LAKE CAMPGROUND - STATION NO. 05PE005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	318.201E	318.170E	318.137E	318.236	318.183	---	---	---	1
2	---	---	---	---	318.201E	318.164	318.132	318.233E	318.188E	---	---	---	2
3	---	---	---	---	318.202E	318.168E	318.132E	318.236E	318.187	---	---	---	3
4	---	---	---	---	318.202	318.172	318.112	318.233	---	---	318.221	---	4
5	---	---	---	---	318.203E	318.167E	318.173E	318.213E	---	---	---	---	5
6	---	---	---	---	318.204E	318.182	318.236E	318.203	---	318.189	---	---	6
7	---	---	---	---	318.204E	318.182E	318.286	318.188E	---	---	---	---	7
8	---	---	---	318.273	318.205E	318.142E	318.344	318.183	---	---	---	---	8
9	---	---	---	---	318.205	318.132	318.582	318.180E	---	---	---	---	9
10	---	---	---	---	318.207E	318.131E	318.368E	318.188E	---	---	---	---	10
11	---	---	---	---	318.207E	318.130	318.386	318.185	---	---	---	---	11
12	---	---	---	---	318.208	318.138E	318.385	318.180E	---	---	---	---	12
13	---	---	---	---	318.208E	318.141E	318.384E	318.178	---	---	---	---	13
14	---	---	---	318.281	318.206	318.147E	318.383	318.189E	---	---	---	---	14
15	---	---	---	---	318.205E	318.183E	318.383	318.183	---	---	---	---	15
16	---	---	---	---	318.206	318.188	318.375	318.181E	---	---	---	---	16
17	---	---	318.185	---	318.208E	318.188E	318.388E	318.188E	---	---	---	---	17
18	---	---	---	---	318.208E	318.184	318.383	318.187	---	---	---	---	18
19	---	---	---	---	318.208	318.188E	318.324E	318.184E	318.184	---	---	---	19
20	---	---	---	---	318.208E	318.188	318.324E	318.171	---	---	---	---	20
21	---	---	---	318.249	318.208	318.188E	318.315	318.188E	---	---	---	---	21
22	---	---	---	---	318.204E	318.183E	318.288E	318.188	---	---	---	---	22
23	---	---	---	---	318.202	318.183	318.283	318.188E	---	---	---	---	23
24	---	---	---	---	318.188E	318.143E	318.278E	318.188E	---	---	---	---	24
25	---	---	---	---	318.148E	318.134	318.268	318.181	---	---	---	---	25
26	---	---	---	---	318.183	318.128E	318.267E	318.183E	---	---	---	---	26
27	---	---	---	---	318.182E	318.122	318.247E	318.186	---	---	---	---	27
28	---	---	---	---	318.182	318.122E	318.238	318.183E	---	---	---	---	28
29	---	---	---	---	318.182E	318.122E	318.238E	318.181	---	---	---	---	29
30	---		---	---	318.182	318.122	318.238	318.188E	---	---	---	---	30
31	---		---		318.178E		318.238E	318.188E		---		---	31
MEAN	---	---	---	---	318.198	318.147	318.287	318.178	---	---	---	---	MEAN
MAX	---	---	---	---	318.208	318.172	318.388	318.238	---	---	---	---	MAX
MIN	---	---	---	---	318.178	318.122	318.112	318.188	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 48 35 N
LONG 95 13 07 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA,
199 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO '73, GAUGE LOCATED AT CADDY LAKE CAMP RESORT; AFTER '73, LOCATED AT CADDY LAKE CAMPGROUND

CEDAR LAKE NEAR GLEESON POINT - STATION NO. 05KL005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	255.719	254.927	254.369	254.586	255.079	255.784	255.687	255.726	255.640	255.627	255.484	255.479	1
2	255.725	254.896	254.379	254.583	255.153	255.780	255.690	255.693	255.666	255.619	255.490	255.478	2
3	255.716	254.853	254.365	254.577	255.232	255.769	255.699	255.685	255.653	255.627	255.480	255.479	3
4	255.711	254.819	254.389	254.580	255.282	255.740	255.701	255.674	255.657	255.612	255.490	255.478	4
5	255.662	254.770	254.407	254.586	255.344	255.744	255.682	255.664	255.648	255.606	255.484	255.481	5
6	255.650	254.735	254.416	254.611	255.398	255.749	255.686	255.671	255.647	255.613	255.531	255.477	6
7	255.618	254.688	254.425	254.621	255.442	255.733	255.704	255.647	255.626	255.619	255.462	255.471	7
8	255.583	254.656	254.435	254.636	255.481	255.676	255.711	255.657	255.630	255.612	255.426	255.488	8
9	255.545	254.620	254.445	254.651	255.510	255.691	255.726	255.646	255.684	255.633	255.426	255.487	9
10	255.505	254.584	254.449	254.661	255.528	255.729	255.706	255.657	255.670	255.647	255.459	255.488	10
11	255.468	254.543	254.464	254.676	255.554	255.736	255.691	255.648	255.642	255.628	255.471	255.476	11
12	255.432	254.499	254.463	254.680	255.573	255.761	255.680	255.637	255.636	255.621	255.457	255.483	12
13	255.383	254.455	254.472	254.684	255.579	255.768	255.679	255.638	255.652	255.613	255.439	255.479	13
14	255.363	254.410	254.477	254.700	255.596	255.753	255.681	255.633	255.648	255.620	255.461	255.471	14
15	255.332	254.360	254.483	254.713	255.601	255.739	255.689	255.651	255.635	255.632	255.466	255.476	15
16	255.284	254.343	254.488	254.717	255.612	255.730	255.698	255.640	255.632	255.646	255.493	255.482	16
17	255.262	254.313	254.488	254.725	255.603	255.725	255.710	255.621	255.642	255.626	255.484	255.483	17
18	255.233	254.285	254.492	254.739	255.626	255.716	255.714	255.621	255.647	255.630	255.496	255.488	18
19	255.200	254.277	254.493	254.750	255.644	255.788	255.717	255.624	255.640	255.637	255.489	255.487	19
20	255.191	254.286	254.499	254.765	255.654	255.761	255.718	255.627	255.631	255.621	255.471	255.481	20
21	255.187	254.304	254.505	254.768	255.656	255.727	255.711	255.643	255.633	255.646	255.473	255.487	21
22	255.187	254.305	254.505	254.806	255.672	255.729	255.711	255.615	255.620	255.602	255.474	255.488	22
23	255.175	254.306	254.509	254.831	255.686	255.721	255.703	255.644	255.666	255.626	255.476	255.487	23
24	255.151	254.315	254.510	254.845	255.631	255.688	255.717	255.664	255.645	255.631	255.480	255.488	24
25	255.133	254.326	254.513	254.868	255.682	255.723	255.720	255.667	255.666	255.634	255.480	255.489	25
26	255.100	254.336	254.527	254.894	255.701	255.710	255.727	255.664	255.636	255.598	255.473	255.492	26
27	255.064	254.349	254.534	254.935	255.713	255.713	255.723	255.670	255.639	255.542	255.470	255.490	27
28	255.033	254.357	254.547	254.958	255.693	255.680	255.743	255.657	255.614	255.501	255.474	255.489	28
29	255.000	254.360	254.544	254.983	255.728	255.687	255.748	255.650	255.601	255.497	255.474	255.493A	29
30	254.971		254.549	255.019	255.715	255.676	255.738	255.636	255.618	255.482	255.473	255.490	30
31	254.949		254.556		255.708		255.734	255.629		255.459		255.481	31
MEAN	255.341	754.483	254.474	254.738	255.551	255.727	255.707	255.651	255.642	255.604	255.486	255.482	MEAN
MAX	255.725	254.927	254.556	255.019	255.728	255.788	255.748	255.726	255.684	255.647	255.531	255.493	MAX
MIN	254.949	254.277	254.369	254.586	255.079	255.676	255.679	255.615	255.601	255.459	255.426	255.467	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MEAN, 255.327
MAXIMUM DAILY, 255.788 ON JUN 19
MINIMUM DAILY, 254.277 ON FEB 19
MAXIMUM INSTANTANEOUS,
255.871 AT 14:13 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 33 N
LONG 100 15 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1971 ADJ.)

CHILDS LAKE NEAR BOGGY CREEK - STATION NO. 05MD005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.602	1.676	1.773	1.884	1.698	1.574	1.566	1.494	---	---	1
2	---	---	1.604	1.684	1.820	1.847	1.681	1.573	1.564	1.491	---	---	2
3	---	---	1.605	1.686	1.866	1.836	1.659	1.571	1.562	1.489	---	---	3
4	---	---	1.607	1.688	1.886	1.830	1.658	1.566	1.558	1.484	---	---	4
5	---	---	1.608	1.693	1.905	1.820	1.668	1.563	1.552	1.481	---	---	5
6	---	---	1.608	1.695	1.918	1.813	1.668	1.559	1.547	1.479	---	---	6
7	---	---	1.609	1.701	1.942	1.811	1.657	1.560	1.536	1.476	---	---	7
8	---	---	1.611	1.716	1.948	1.804	1.652	1.545	1.532	1.479	---	---	8
9	---	---	1.616	1.741	1.952	1.792	1.647	1.537	1.523	1.473	---	---	9
10	---	---	1.621	1.769	1.953	1.789	1.644	1.534	1.520	1.470	---	---	10
11	---	---	1.628	1.769	1.951	1.800	1.641	1.535	1.519	1.466	---	---	11
12	---	---	1.627	1.743	1.952	1.788	1.636	1.533	1.514	1.463	---	---	12
13	---	---	1.628	1.730	1.949	1.782	1.638	1.529	1.512	1.460	---	---	13
14	---	---	1.630	1.722	1.948	1.777	1.637	1.528	1.510	1.460	---	---	14
15	---	---	1.627	1.717	1.946	1.772	1.633	1.526	1.505	1.456	---	---	15
16	---	---	1.626	1.716	1.937	1.782	1.631	1.533	1.505	1.456	---	---	16
17	---	---	1.625	1.714	1.929	1.763	1.629	1.554	1.507	1.459	---	---	17
18	---	---	1.624	1.705	1.925	1.749	1.627	1.549	1.504	1.459	---	---	18
19	---	---	1.623	1.685	1.920	1.736	1.627	1.561	1.499	1.457	---	---	19
20	---	---	1.620	1.682	1.918	1.727	1.622	1.566	1.494	1.456	---	---	20
21	---	---	1.623	1.674	1.916	1.720	1.620	1.567	1.493	1.455	---	---	21
22	---	---	1.628	1.672	1.911	1.718	1.615	1.564	1.492	1.452	---	---	22
23	---	---	1.641	1.680	1.903	1.719	1.606	1.563	1.488	1.450	---	---	23
24	---	---	1.648	1.686	1.894	1.711	1.606	1.560	1.490	1.445	---	---	24
25	---	---	1.651	1.715	1.887	1.709	1.603	1.565	1.490	1.442	---	---	25
26	---	---	1.658	1.748	1.884	1.688	1.601	1.567	1.497	1.439	---	---	26
27	---	---	1.665	1.757	1.878	1.689	1.597	1.564	1.494	1.440	---	---	27
28	---	---	1.665	1.758	1.873	1.685	1.598	1.561	1.497	1.436	---	---	28
29	---	---	1.668	1.757	1.866	1.679	1.595	1.579	1.499	1.431	---	---	29
30	---		1.670	1.758	1.864	1.699	1.584	1.574	1.495	1.431	---	---	30
31	---		1.687		1.849		1.580	1.569		1.429		---	31
MEAN	---	---	1.631	1.716	1.895	1.761	1.629	1.551	1.515	1.459	---	---	MEAN
MAX	---	---	1.679	1.769	1.952	1.884	1.698	1.582	1.566	1.494	---	---	MAX
MIN	---	---	1.603	1.672	1.773	1.679	1.580	1.526	1.488	1.429	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 1.952 ON MAY 9

MAXIMUM INSTANTANEOUS,
1.960 AT 13:25 CST ON MAY 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 34 27 N
LONG 101 01 54 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DRAINAGE AREA,
67.6 km²

CHURCHILL RIVER ABOVE GRANVILLE FALLS - STATION NO. 05EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	763E	751E	747E	728	687	802	888	851	842	746	851	821	1
2	758E	751E	745E	731	704	800	888	848	847	744	850	821	2
3	758E	750E	745E	731	732	801	882	843	848	742	857	817	3
4	758E	750E	744E	736	734	795	881	841	848	747	852	817	4
5	758E	751E	745E	740	753	795	884	838	854	750	852	817	5
6	760E	751E	744E	740	785	788	882	830	853	749	852	814	6
7	767E	780E	743E	738	777	787	888	843	857	748	851	810	7
8	767A	749E	742E	741	788	787	889	852	874	744	851	807	8
9	768E	760E	742E	744	787	788	878	858	877	738	848	803	9
10	768E	760E	740E	743	780	781	872	864	883	726	845	802	10
11	767E	751E	737E	743	788	771	870	861	880	728	843	804	11
12	767E	751E	738E	742	787	788	888	868	702	737	838	805	12
13	767E	752E	734E	740	802	785	888	871	706	736	836	809	13
14	767E	752E	733E	738	802	781	883	874	708	723	837	807	14
15	766E	752E	731E	735	803	787	849	878	718	718	835	807	15
16	758E	753E	731E	731	807	788	848	878	724	709	831	807	16
17	760E	752E	728E	728	811	780	842	876	722	708	830	805	17
18	758E	752E	728E	725	812	748	836	881	724	703	830	805	18
19	758E	752E	726E	720	811	748	831	883	728	700	828	804	19
20	758E	752E	723E	718	811	743	828	888	730	883	826	803	20
21	760E	753E	723E	711	812	732	818	888	734	887	826	803	21
22	758E	752E	722E	708	808	727	818	898	736	888	827	803	22
23	760E	752E	722E	702	802	726	810	898	738	882	828	802	23
24	767E	751E	721A	887	808	722	802	801	741	874	828	801	24
25	758E	760E	723	891	807	720	805	804	741	888	825	800	25
26	758E	760E	723	886	804	717	880	806	742	888	823	881	26
27	758E	751E	732	881	801	712	884	808	745	881	820	882	27
28	758E	751E	732	878	804	709	878	812	747	880	818	880	28
29	758E	748E	736	874	801	708	885	824	783	882	820	880	29
30	763E		726	877	788	703	889	831	783	882	818	880	30
31	763E		727		801		888	837		880		880	31
TOTAL	23 488	21 788	22 886	21 881	24 408	22 889	19 784	17 814	21 188	21 838	18 103	18 807	TOTAL
MEAN	787	781	732	720	787	788	838	878	708	708	837	880	MEAN
MAX	780	783	747	744	812	803	888	837	783	780	881	821	MAX
MIN	783	748	721	874	887	703	888	830	842	880	818	880	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 887
MAXIMUM DAILY, 812 ON MAY 18
MINIMUM DAILY, 830 ON AUG 8
MAXIMUM INSTANTANEOUS,
833 AT 18:00 CST ON MAY 21

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 00 N
LONG 100 27 30 W
DRAINAGE AREA, 220 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1926

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 030 000	JUL	1 710 000
FEB	1 880 000	AUG	1 880 000
MAR	1 880 000	SEP	1 830 000
APR	1 870 000	OCT	1 900 000
MAY	2 110 000	NOV	1 880 000
JUN	1 880 000	DEC	1 810 000

TOTAL DISCHARGE, 22 100 000 dam³

CHURCHILL RIVER ABOVE LEAF RAPIDS - STATION NO. 05EB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	821	826	818	783	787	832	878	748	718	744	885	878	1
2	823	826	817	783	778	830	887	738	717	743	887	878	2
3	823	826	814	783	774	833	887	734	717	740	886	877	3
4	823	826	813	788	781	832	888	735	718	743	886	878	4
5	823	827	813	788	781	818	884	718	718	741	885	878	5
6	824	826	808	781	800	808	888	709	718	738	881	878	6
7	826	825	810	788	814	818	870	727	712	738	881	874	7
8	826	823	810	788	827	824	873	730	723	738	887	872	8
9	827	824	807	784	840	825	884	730	722	741	887	871	9
10	828	823	808	784	881	824	883	719	721	732	884	870	10
11	825	821	808	782	881	804	883	721	734	738	881	870	11
12	825	823	805	786	889	809	888	718	727	727	881	870	12
13	825	823	803	783	877	818	844	718	733	724	882	870	13
14	825	822	800	782	881	817	848	718	728	731	880	870	14
15	828	821	800	781	884	817	847	718	732	731	888	888	15
16	828	824	800	781	882	814	847	711	738	738	888	888	16
17	828	825	788	780	808	808	843	714	738	722	884	888	17
18	826	828	784	787	818	802	841	713	737	723	883	888	18
19	827	828	783	788	822	814	833	708	738	720	880	887	19
20	824	824	788	784	823	813	827	708	739	714	880	888	20
21	828	828	787	781	828	804	832	700	738	718	880	888	21
22	827	828	781	780	828	801	814	714	742	714	878	888	22
23	827	827	787	778	824	887	814	721	748	724	878	888	23
24	830	824	788	778	828	888	788	722	780	717	883	888	24
25	828	822	788	778	831	888	781	721	747	718	882	887	25
26	827	821	788	771	828	884	788	717	743	708	881	885	26
27	827	821	782	787	828	887	781	713	743	707	878	885	27
28	828	818	782	787	825	878	773	713	742	703	877	888	28
29	828	818	788	783	830	881	788	712	748	702	878	884	29
30	828		788	784	817	878	788	718	748	885	877	884	30
31	828		784		824		784	714		885		884	31
TOTAL	28 882	23 881	24 741	23 887	27 148	27 283	25 778	22 288	21 848	23 428	20 812	20 788	TOTAL
MEAN	826	824	798	784	878	888	832	718	732	723	887	870	MEAN
MAX	830	828	818	788	831	833	878	748	780	744	888	878	MAX
MIN	821	818	782	783	787	878	784	700	712	885	877	884	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 781
MAXIMUM DAILY, 833 ON JUN 3
MINIMUM DAILY, 884 ON DEC 28
MAXIMUM INSTANTANEOUS,
838 AT 11:80 CST ON JUN 30

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 28 37 N
LONG 100 02 88 W
DRAINAGE AREA, 244 000 km²

REGULATED SINCE 1938

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 210 000	JUL	2 230 000
FEB	2 080 000	AUG	1 920 000
MAR	2 140 000	SEP	1 900 000
APR	2 030 000	OCT	1 940 000
MAY	2 350 000	NOV	1 780 000
JUN	2 380 000	DEC	1 780 000

TOTAL DISCHARGE, 24 700 000 dam³

CHURCHILL RIVER ABOVE RED HEAD RAPIDS - STATION NO. 05FB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1288	1218	105 B	93.0B	1238	621A	390A	177	2888	1938	---	1838	1
2	1288	1218	102 B	92.0B	1388	637	3608	178	2728	1348	---	1838	2
3	1288	1218	98.0B	92.0B	1388	637	3548	178	2618	1338	---	1838	3
4	1288	1218	98.0B	92.0B	1448	628	3358	178	2468	1328	---	1838	4
5	1288	1218	98.0B	92.0B	1888	613	318A	174	2388	1298	---	1838	5
6	1288	1218	98.0B	92.0B	---	788	338	188	2318	1288	---	1838	6
7	1288	1218	98.0B	92.0B	---	782	334	205	2248	1268	---	1838	7
8	1288	1218	98.0B	92.0B	---	782	338	241	2188	1278	---	1838	8
9	1288	1218	98.0B	92.0B	---	788	338	283	2098	1288	---	1838	9
10	1288	1218	98.0B	92.0B	---	748	328	388A	1948	1338	---	1838	10
11	1288	1228	98.0B	92.0B	---	788	331	3988	1888	1218	---	1838	11
12	1288	1228	98.0B	92.0B	---	882	344	3108	1828	1348	---	1838	12
13	1288	1228	98.0B	92.0B	---	868	368	3188	1778	1338	---	1838	13
14	1288	1228	98.0B	92.0B	---	834	348	3358	1708	1308	---	1838	14
15	1288	1228	98.0B	92.0B	---	814	338	3308	1738	1218	---	1838	15
16	1288	1228	98.0B	93.0B	---	888	328	3338	1718	1188	---	1838	16
17	1288	1238	98.0B	94.0B	---	871	383	3358	1638	1188	---	1838	17
18	1288	1218	97.0B	95.0B	---	868	388	3388	1688	1088	---	1818	18
19	1288	1208	98.0B	98.0B	---	837	373	3388	1848	1188	---	1818	19
20	1288	1188	94.0B	98.0B	---	838	388	3338	1818	1188	---	1818	20
21	1278	1188	93.0B	89.0B	---	848	248	3288	1588	---	---	1818	21
22	1278	1148	92.0B	100 B	---	844	241	3188	1488	---	---	1818	22
23	1278	1108	92.0B	102 B	---	838	234	3078	1488	---	---	1888	23
24	1278	1088	92.0B	104 B	---	831	228	388A	1428	---	---	1888	24
25	1278	1088	92.0B	108 B	---	813	218	3088	1388	---	---	1888	25
26	1288	1088	92.0B	108 B	---	488	212	3038	1368	---	---	1888	26
27	1288	1088	92.0B	111 B	---	477	283	3028	1338	---	---	1888	27
28	1288	1088	92.0B	113 B	---	468	198	3028	1328	---	---	1888	28
29	1248	1068	92.0B	118 B	---	438	198	3068	1328	---	---	1888	29
30	1238		93.0B	118 B	---	413	188	3028	1388	---	---	1888	30
31	1228		92.0B		---		188	2978		---		1888	31
TOTAL	3 841	3 388	2 877.0	2 834.0	---	18 888	8 838	8 887	5 483	---	---	5 884	TOTAL
MEAN	127	117	98.8	97.8	---	833	288	278	182	---	---	181	MEAN
MAX	138	132	108	118	---	887	388	338	288	---	---	183	MAX
MIN	183	186	92.8	93.8	---	413	188	188	132	---	---	188	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 07 15 N
LONG 94 37 30 W
DRAINAGE AREA, 287 888 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1938

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	341 888	JUL	772 888
FEB	284 888	AUG	748 888
MAR	257 888	SEP	472 888
APR	253 888	OCT	---
MAY	---	NOV	---
JUN	1 848 888	DEC	432 888

CHURCHILL RIVER BELOW FIDLER LAKE - STATION NO. 05FB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1118	108 B	84.0B	87.0B	71.0B	348	178	108	118	77.1	2048	1838	1
2	1118	108 B	83.0B	86.0B	73.0B	347	188	108	118	78.8	2078	1818	2
3	1118	108 B	83.0B	86.0B	78.0B	353	188	184	118	74.4	2038	1888	3
4	1118	108 B	82.0B	86.0B	88.0B	358	188	183	118	74.1	2088	1488	4
5	1188	108 B	82.0B	86.0B	87.0B	388	181	181	114	73.1	2098	1488	5
6	1188	108 B	82.0B	86.0B	121 B	364	188	98.7	111	71.1	2088	1488	6
7	1188	108 B	82.0B	88.0B	147 B	371	183	188	188	78.8	2048	1478	7
8	1188	187 B	82.0B	86.0B	173 B	378	188	118	185	88.8	2088	1478	8
9	1188	187 B	82.0B	86.0B	188 B	378	183	118	183	86.4	2058	1488	9
10	1188	187 B	82.0B	86.0B	222 B	378	183	121	184	87.3	2888	1488	10
11	1188	187 B	82.0B	86.0B	231	373	188	131	183	86.2	1978	1488	11
12	1188	187 B	82.0B	86.0B	237	288	148	138	181	86.3	1948	1448	12
13	1188	187 B	82.0B	86.0B	241	388	141	136	86.8	83.8	1888	1438	13
14	1188	187 B	82.0B	86.0B	243	383	138	148	88.7	83.8	1888	1438	14
15	1188	188 B	82.0B	86.0B	242	387	138	142	88.8	82.8	1838	1428	15
16	1188	185 B	82.0B	84.0B	248	253	134	144	85.4	83.8	1788	1418	16
17	1188	188 B	81.0B	84.0B	237	244	132	148	82.7	81.8	1778	1418	17
18	1188	185 B	81.0B	84.0B	238	238	138	148	82.8	88.8	1748	1488	18
19	1888	188 B	81.0B	84.0B	233	238	138	148	88.7	88.8	1738	1388	19
20	1888	188 B	81.0B	84.0B	228	244	138	143	88.8	88.3	1888	1398	20
21	1888	188 B	81.0B	84.0B	238	238	138	148	87.8	88.8	1878	1388	21
22	1888	185 B	88.0B	84.0B	232	234	133	137	88.4	78.7	1858	1388	22
23	1888	185 B	78.0B	84.0B	236	227	131	138	84.7	88.1	1838	1388	23
24	1888	183 B	78.0B	84.0B	234	218	118	137	84.2	184	1828	1378	24
25	1888	188 B	78.0B	85.0B	237	213	118	138	83.3	138	1888	1378	25
26	1888	88.0B	73.0B	85.0B	248	388	118	133	81.8	138	1878	1388	26
27	1888	81.0B	71.0B	87.0B	248	381	118	138	88.4	144	1878	1388	27
28	1888	88.0B	88.0B	88.0B	248	183	113	138	78.1	144	1888	1388	28
29	1888	88.0B	87.0B	88.0B	248	187	118	138	78.8	171	1848	1388	29
30	1888		87.0B	78.0B	248	183	118	133	78.1	181	1838	1388	30
31	1888		87.0B		242		188	128		282		1388	31
TOTAL	3 388	3 821.0	2 443.0	1 878.0	8 238.0	7 271	4 248	3 833.7	2 885.2	2 788.7	5 481	4 483	TOTAL
MEAN	118	184	78.8	88.7	281	242	137	137	88.8	88.2	183	143	MEAN
MAX	111	188	84.8	78.8	243	278	178	148	118	282	288	183	MAX
MIN	188	88.8	87.8	84.8	71.8	183	188	88.7	78.1	88.8	183	138	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 131
MAXIMUM DAILY, 278 ON JUN 8
MINIMUM DAILY, 88.8 ON OCT 18
MAXIMUM INSTANTANEOUS,
288 AT 18:18 CST ON JUN 18

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 88 N
LONG 88 47 58 W
DRAINAGE AREA, 271 888 km²

B - ICE CONDITIONS

REGULATED SINCE 1938

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	283 888	JUL	367 888
FEB	281 888	AUG	348 888
MAR	211 888	SEP	358 888
APR	178 888	OCT	342 888
MAY	838 888	NOV	474 888
JUN	838 888	DEC	388 888

TOTAL DISCHARGE, 4 188 888 dam³

CLEARWATER LAKE AT GUY HILL - STATION NO. 05KK003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	259.810	259.840	259.834	259.883	259.864	260.018	260.007	259.883	259.810	259.836	259.738	259.714	1
2	259.809	259.841	259.834	259.883	259.868	260.020	260.004	259.883	259.809	259.834	259.734	259.717	2
3	259.810	259.840	259.834	259.885	259.881	260.021	260.006	259.884	259.808	259.830	259.729	259.714	3
4	259.808	259.839	259.834	259.885	259.883	260.021	260.004	259.882	259.804	259.819	259.728	259.715	4
5	259.809	259.837	259.835	259.881	259.883	260.020	260.005	259.881	259.888	259.815	259.732	259.715	5
6	259.813	259.838	259.835	259.883	259.885	260.023	260.003	259.882	259.880	259.814	259.727	259.715	6
7	259.816	259.834	259.836	259.887	259.884	260.020	260.000	259.877	259.878	259.815	259.731	259.710	7
8	259.817	259.838	259.838	259.873	259.884	260.023	259.997	259.880	259.876	259.813	259.735	259.708	8
9	259.816	259.833	259.838	259.879	259.884	260.018	260.003	259.869	259.868	259.819	259.737	259.704	9
10	259.816	259.829	259.839	259.880	259.888	260.019	259.884	259.867	259.860	259.813	259.730	259.702	10
11	259.816	259.829	259.838	259.878	259.888	260.019	259.868	259.869	259.875	259.808	259.728	259.698	11
12	259.817	259.831	259.836	259.876	260.000	260.019	259.865	259.865	259.880	259.800	259.730	259.698	12
13	259.818	259.836	259.839	259.876	260.000	260.017	259.868	259.863	259.888	259.802	259.732	259.699	13
14	259.817	259.839	259.840	259.873	260.002	260.015	259.865	259.860	259.860	259.803	259.731	259.695	14
15	259.818	259.841	259.841	259.875	260.001	260.011	260.001	259.859	259.852	259.802	259.731	259.695	15
16	259.818	259.837	259.840	259.874	260.002	260.008	259.997	259.858	259.851	259.801	259.730	259.692	16
17	259.819	259.836	259.841	259.872	260.003	260.008	260.000	259.851	259.846	259.798	259.727	259.693	17
18	259.820	259.833	259.841	259.873	260.002	260.010	259.998	259.848	259.838	259.793	259.723	259.692	18
19	259.820	259.836	259.842	259.871	260.003	260.012	260.000	259.845	259.671	259.788	259.726	259.695	19
20	259.820	259.835	259.843	259.868	260.003	260.009	260.000	259.846	259.883	259.783	259.722	259.700	20
21	259.822	259.836	259.848	259.870	260.004	260.010	259.998	259.845	259.853	259.783	259.723	259.698	21
22	259.823	259.833	259.844	259.870	260.006	260.008	259.994	259.852	259.853	259.779	259.720	259.699	22
23	259.826	259.831	259.848	259.870	260.006	260.010	259.994	259.856	259.848	259.782	259.717	259.700	23
24	259.827	259.831	259.851	259.871	260.001	260.017	259.985	259.853	259.852	259.775	259.721	259.700	24
25	259.829	259.833	259.851	259.868	260.008	260.014	259.988	259.848	259.845	259.788	259.723	259.702	25
26	259.829	259.831	259.853	259.870	260.008	260.013	259.981	259.847	259.843	259.781	259.724	259.704	26
27	259.832	259.832	259.858	259.868	260.010	260.015	259.983	259.841	259.842	259.780	259.718	259.704	27
28	259.834	259.831	259.866	259.867	260.013	260.015	259.987	259.828	259.839	259.748	259.718	259.708	28
29	259.836	259.832	259.865	259.871	260.018	260.006	260.001	259.820	259.836	259.736	259.717	259.712	29
30	259.840		259.864	259.868	260.018	260.003	259.994	259.812	259.841	259.737	259.718	259.712	30
31	259.840		259.865		260.018		259.989	259.810		259.739		259.713	31
MEAN	259.821	259.836	259.844	259.870	260.001	260.015	259.990	259.864	259.849	259.782	259.727	259.704	MEAN
MAX	259.840	259.841	259.866	259.880	260.018	260.029	260.006	259.884	259.910	259.836	259.738	259.717	MAX
MIN	259.808	259.829	259.834	259.861	259.864	260.003	259.981	259.810	259.836	259.737	259.718	259.692	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MEAN, 259.902
MAXIMUM DAILY, 260.029 ON JUN 7
MINIMUM DAILY, 259.692 ON DEC 18
MAXIMUM INSTANTANEOUS,
260.031 AT 20:03 CST ON JUN 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 56 55 N
LONG 101 05 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

COCHRANE RIVER NEAR BROCHET - STATION NO. 06DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	107B	104 B	97.8B	93.0B	89.8B	195	249	226	182	149	1198	1388	1
2	107B	103 B	97.4B	91.8B	91.0B	197	249	225	180	148	1318	1388	2
3	107B	103 B	97.4B	91.8B	93.8B	200	246	224	178	146	1348	1388	3
4	1088	103 B	97.3B	91.3B	94.3B	202	247	222	177	147	1378	1388	4
5	1088	102 B	97.0B	91.0B	97.0B	208	248	221	176	147	1318	1388	5
6	1088	102 B	96.7B	91.0B	101 B	210	245	220	174	148	1338	1388	6
7	1088	102 B	96.8B	91.0B	109 B	215	247	218	172	147	1348	1388	7
8	1088	102 B	96.8B	90.8B	118 B	219	248	217	171	147	1348	1388	8
9	1088	102 B	96.8B	90.8B	130 B	222	251	216	168	147	1358	1388	9
10	1088	102 B	96.4B	90.1B	144	224	252	216	167	146	1368	1388	10
11	1088	102 B	96.1B	90.0B	150	227	253	214	166	146	1368	1388	11
12	1088	101 B	96.0B	89.8B	155	230	253	212	166	144	1368	1388	12
13	1078	101 B	96.0B	89.8B	160	229	251	210	166	144	1368	1388	13
14	1078	101 B	96.0B	89.8B	163	232	249	208	164	143	1368	1388	14
15	1078	101 B	96.3B	89.4B	163	234	248	208	162	143	1368	1388	15
16	1078	100 B	94.9B	89.3B	164	235	247	208	161	143	1368	1388	16
17	1078	100 B	94.7B	89.2B	164	236	245	204	160	142	1368	1388	17
18	1078	100 B	94.7B	89.2B	164	238	243	203	159	142	1368	1388	18
19	1078	100 B	94.7B	89.2B	165	240	241	201	157	142	1368	1388	19
20	1078	98.7B	94.6B	89.0B	168	243	238	198	156	142	1368	1388	20
21	1068	98.3B	94.3B	88.7B	168	244	236	197	155	141	1368	1368	21
22	1068	98.3B	94.0B	88.3B	171	246	237	196	154	143	1368	1368	22
23	1068	98.1B	93.8B	88.3B	173	246	235	195	153	1418	1368	1368	23
24	1068	98.0B	93.8B	88.1B	176	249	234	194	152	1408	1368	1368	24
25	1068	98.0B	93.4B	87.8B	180	251	231	193	152	1398	1368	1368	25
26	1068	98.4B	93.1B	87.8B	183	252	231	191	151	1388	1368	1348	26
27	1068	98.4B	93.0B	87.3B	184	252	230	190	150	1308	1368	1348	27
28	1068	98.4B	92.9B	87.3B	184	251	228	188	149	1258	1368	1348	28
29	1048	98.2B	93.0B	88.3B	186	251	228	187	148	1198	1368	1348	29
30	1048		92.7B	88.0B	190	249	226	185	149	1188	1368	1348	30
31	1048		93.4B		192		227	183		1188		1348	31
TOTAL	3 308	3 019.1	3 047.4	2 688.2	4 078.1	6 937	7 497	6 373	4 878	6 384	4 014	4 188	TOTAL
MEAN	107	101	98.1	89.9	151	231	242	206	163	140	134	135	MEAN
MAX	108	104	97.9	93.0	192	252	253	226	182	149	136	136	MAX
MIN	104	98.2	92.4	87.3	89.8	195	226	183	148	118	118	134	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1988

MEAN, 150
MAXIMUM DAILY, 253 ON JUL 11
MINIMUM DAILY, 87.3B ON APR 27
MAXIMUM INSTANTANEOUS,
258 AT 14:00 CST ON JUL 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 00 00 N
LONG 101 23 48 W
DRAINAGE AREA, 28 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	288 000	JUL	648 000
FEB	262 000	AUG	551 000
MAR	266 000	SEP	431 000
APR	232 000	OCT	378 000
MAY	404 000	NOV	347 000
JUN	598 000	DEC	362 000

TOTAL DISCHARGE, 4 730 000 dam³

CONJURING CREEK NEAR RUSSELL - STATION NO. 05MD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0.008	0.001	0	0	0	0	---	---	1
2	---	---	0 B	0.1728	0.121	0.001	0	0	0	0	---	---	2
3	---	---	0 B	1.68 B	0.870	0.001	0	0	0	0	---	---	3
4	---	---	0 B	4.73 B	1.84	0	0	0	0	0	---	---	4
5	---	---	0 B	3.34 B	1.15	0	0	0	0	0	---	---	5
6	---	---	0 B	2.88	0.725	0	0	0	0	0	---	---	6
7	---	---	0 B	2.67	0.663	0	0	0	0	0	---	---	7
8	---	---	0 B	1.67	0.774	0	0	0	0	0	---	---	8
9	---	---	0 B	0.885	0.837	0	0	0	0	0	---	---	9
10	---	---	0 B	0.843	0.857	0	0	0	0	0	---	---	10
11	---	---	0 B	0.618	0.807	0	0	0	0	0	---	---	11
12	---	---	0 B	0.508	0.414	0	0	0	0	0	---	---	12
13	---	---	0 B	0.393	0.285	0	0	0	0	0	---	---	13
14	---	---	0 B	0.353	0.199	0	0	0	0	0	---	---	14
15	---	---	0 B	0.267	0.248	0	0	0	0	0	---	---	15
16	---	---	0 B	0.226	0.205	0	0	0	0	0	---	---	16
17	---	---	0 B	0.203	0.216	0	0	0	0	0	---	---	17
18	---	---	0 B	0.185	0.131	0	0	0	0	0	---	---	18
19	---	---	0 B	0.116	0.122	0	0	0	0	0	---	---	19
20	---	---	0 B	0.084	0.227	0	0	0	0	0	---	---	20
21	---	---	0.0018	0.058	0.180	0	0	0	0	0	---	---	21
22	---	---	0.0033	0.035	0.102	0	0	0	0	0	---	---	22
23	---	---	0.0078	0.018	0.077	0	0	0	0	0	---	---	23
24	---	---	0.0438	0.012	0.064	0	0	0	0	0	---	---	24
25	---	---	0.0508	0.010	0.035	0	0	0	0	0	---	---	25
26	---	---	0.0388	0.006	0.028	0	0	0	0	0	---	---	26
27	---	---	0.0218	0.004	0.021	0	0	0	0	0	---	---	27
28	---	---	0.0088	0.002	0.021	0	0	0	0	0	---	---	28
29	---	---	0.0038	0.003	0.011	0	0	0	0	0	---	---	29
30	---		0 B	0.003	0.003	0	0	0	0	0	---	---	30
31	---		0 B		0.001		0	0		0		---	31
TOTAL	---	---	0.175	22.388	10.886	0.003	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.006	0.746	0.345	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.050	4.73	1.84	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.138
MAXIMUM DAILY, 4.730 ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.880 AT 17:00 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 30 N
LONG 101 17 55 W
DRAINAGE AREA, 58.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	15.1	SEP	0
APR	1 930	OCT	0
MAY	934	NOV	---
JUN	0.28	DEC	---

TOTAL DISCHARGE, 2 870 dam³

COOKS CREEK AT COOKS CREEK - STATION NO. 05DJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1358	0.036	0	0.130	0.004	0	0	---	---	1
2	---	---	0 B	0.3308	0.035	0	0.087	0.001	0	0	---	---	2
3	---	---	0 B	0.6908	0.037	0	0.088	0	0	0	---	---	3
4	---	---	0 B	1.62 B	0.032	0	0.087	0	0	0	---	---	4
5	---	---	0 B	0.36 B	0.026	0	0.078	0	0	0	---	---	5
6	---	---	0.0048	5.40 B	0.021	0	0.085	0	0	0	---	---	6
7	---	---	0.0128	3.76 B	0.033	0	0.078	0	0	0	---	---	7
8	---	---	0.0288	2.83 B	0.034	0	0.074	0	0	0	---	---	8
9	---	---	0.0388	1.83 B	0.036	0	0.114	0	0	0	---	---	9
10	---	---	0.0418	0.8728	0.038	0	0.071	0	0	0	---	---	10
11	---	---	0.0328	0.660	0.038	0	0.036	0	0	0	---	---	11
12	---	---	0.0218	0.554	0.034	0	0.058	0	0	0	---	---	12
13	---	---	0.0188	0.384	0.018	0	0.088	0	0	0	---	---	13
14	---	---	0.0088	0.273	0.011	0.002	0.087	0	0	0	---	---	14
15	---	---	0.0048	0.188	0.008	0.008	0.088	0	0	0	---	---	15
16	---	---	0.0088	0.137	0.008	0.007	0.078	0	0	0	---	---	16
17	---	---	0.0038	0.078	0.007	0.038	0.088	0	0	0	---	---	17
18	---	---	0.0018	0.018	0.007	0.131	0.083	0	0	0	---	---	18
19	---	---	0.0038	0.011	0.033	0.332	0.041	0	0	0	---	---	19
20	---	---	0.0048	0.023	0.035	0.138	0.063	0	0	0	---	---	20
21	---	---	0.0088	0.040	0.040	0.088	0.086	0	0	0	---	---	21
22	---	---	0.0188	0.036	0.038	0.045	0.188	0	0	0	---	---	22
23	---	---	0.0248	0.038	0.038	0.036	0.146	0	0	0	---	---	23
24	---	---	0.0348	0.037	0.033	0.047	0.088	0	0	0	---	---	24
25	---	---	0.0388	0.044	0.028	0.080	0.083	0	0	0	---	---	25
26	---	---	0.0348	0.051	0.034	0.063	0.030	0	0	0	---	---	26
27	---	---	0.0188	0.048	0.033	0.087	0.011	0	0	0	---	---	27
28	---	---	0.0088	0.040	0.021	0.087	0.002	0	0	0	---	---	28
29	---	---	0.0078	0.038	0.017	0.080	0.014	0	0	0B	---	---	29
30	---		0.0188	0.038	0.014	0.152	0.011	0	0	0B	---	---	30
31	---		0.0548		0.008		0.008	0		0B		---	31
TOTAL	---	---	0.481	35.348	0.783	1.348	2.181	0.005	0	0	---	---	TOTAL
MEAN	---	---	0.015	0.842	0.025	0.043	0.070	0	0	0	---	---	MEAN
MAX	---	---	0.054	5.35	0.040	0.332	0.138	0.004	0	0	---	---	MAX
MIN	---	---	0	0.011	0.008	0	0.002	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.122
MAXIMUM DAILY, 5.35B ON APR 5
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 12 N
LONG 98 48 33 W
DRAINAGE AREA, 613 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	187
FEB	---	AUG	0.43
MAR	30.8	SEP	0
APR	2 180	OCT	0
MAY	97.7	NOV	---
JUN	106	DEC	---

TOTAL DISCHARGE, 2 930 dam³

COOKS CREEK NEAR EAST SELKIRK - STATION NO. 05OJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR		APR		MAY		JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.2008	B	0	A	0E	0	0	0	0	---	---	1
2	---	---	0	B	1.36	B	0.008A		0E	0	0	0	0	---	---	2
3	---	---	0	B	2.32	B	0.008A		0E	0	0	0	0	---	---	3
4	---	---	0	B	2.70	B	0.003A		0E	0	0	0	0	---	---	4
5	---	---	0	B	2.76	B	0	A	0E	0	0	0	0	---	---	5
6	---	---	0	B	7.56	B	0	A	0E	0	0	0	0	---	---	6
7	---	---	0	B	8.41	B	0	A	0A	0	0	0	0	---	---	7
8	---	---	0	B	6.36	B	0	A	0	0	0	0	0	---	---	8
9	---	---	0	B	3.72		0	A	0	0	0	0	0	---	---	9
10	---	---	0	B	2.43		0	A	0	0	0	0	0	---	---	10
11	---	---	0	B	1.63		0	A	0	0	0	0	0	---	---	11
12	---	---	0	B	1.04		0		0	0	0	0	0	---	---	12
13	---	---	0	B	0.887		0		0	0	0	0	0	---	---	13
14	---	---	0	B	0.533		0		0	0	0	0	0	---	---	14
15	---	---	0	B	0.388		0		0	0	0	0	0	---	---	15
16	---	---	0	B	0.201		0		0	0	0	0	0	---	---	16
17	---	---	0	B	0.137		0		0	0	0	0	0	---	---	17
18	---	---	0	B	0.078		0	A	0	0	0	0	0	---	---	18
19	---	---	0	B	0.040		0	E	0	0	0	0	0	---	---	19
20	---	---	0	B	0.025		0	E	0	0	0	0	0	---	---	20
21	---	---	0.0048		0.038		0	E	0	0	0	0	0	---	---	21
22	---	---	0.0168		0.030		0	E	0	0	0	0	0	---	---	22
23	---	---	0.0728		0.017		0	E	0	0	0	0	0	---	---	23
24	---	---	0.0878		0.020		0	E	0	0	0	0	0	---	---	24
25	---	---	0.0888		0.018		0	E	0	0	0	0	0	---	---	25
26	---	---	0.0888		0.010		0	E	0	0	0	0	0	---	---	26
27	---	---	0.0888		0.008		0	E	0	0	0	0	0	---	---	27
28	---	---	0.0888		0		0	E	0	0	0	0	0	---	---	28
29	---	---	0.0778		0		0	E	0	0	0	0	0	---	---	29
30	---		0.0888		0		0	E	0	0	0	0	0	---	---	30
31	---		0.0888				0	E		0	0		0		---	31
TOTAL	---	---	0.788		48.832		0.014		0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.025		1.68		0		0	0	0	0	0	---	---	MEAN
MAX	---	---	0.088		8.78		0.008		0	0	0	0	0	---	---	MAX
MIN	---	---	0		0		0		0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.206
MAXIMUM DAILY, 8.780 ON APR 6
MINIMUM DAILY, 0E ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 25 N
LONG 96 49 48 W
DRAINAGE AREA, 809 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	88.4	SEP	0
APR	4 280	OCT	0
MAY	1.21	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4 250 dam³

COOKS CREEK NEAR GLASS - STATION NO. 05OJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.0708	0.017	0.078	0.008	0	0	0	---	---	1
2	---	---	0	B	0.1088	0.013	0.138	0.003	0	0	0	---	---	2
3	---	---	0	B	0.1278	0.010	0.088	0.002	0	0	0	---	---	3
4	---	---	0	B	1.03	B	0.008	0.088	0.001	0	0	0	---	---	4
5	---	---	0	B	1.08	B	0.008	0.038	0.003	0	0	0	---	---	5
6	---	---	0	B	0.7888	0.008	0.022	0.008	0	0	0	---	---	6
7	---	---	0	B	0.4858	0.010	0.018	0.041	0	0	0	---	---	7
8	---	---	0	B	0.3888	0.013	0.011	0.038	0	0	0	---	---	8
9	---	---	0	B	0.280	0.014	0.008	0.043	0	0	0	---	---	9
10	---	---	0	B	0.187	0.013	0.008	0.028	0	0	0	---	---	10
11	---	---	0	B	0.134	0.012	0.003	0.014	0	0	0	---	---	11
12	---	---	0	B	0.121	0.012	0.003	0.010	0	0	0	---	---	12
13	---	---	0	B	0.108	0.018	0.002	0.010	0	0	0	---	---	13
14	---	---	0	B	0.088	0.014	0.002	0.008	0	0	0	---	---	14
15	---	---	0	B	0.101	0.013	0.003	0.004	0	0	0	---	---	15
16	---	---	0	B	0.088	0.013	0.002	0.002	0	0	0	---	---	16
17	---	---	0	B	0.084	0.011	0.002	0.002	0	0	0	---	---	17
18	---	---	0	B	0.083	0.010	0.013	0.001	0	0	0	---	---	18
19	---	---	0	B	0.084	0.014	0.007	0.001	0	0	0	---	---	19
20	---	---	0	B	0.078	0.018	0.004	0.002	0	0	0	---	---	20
21	---	---	0	B	0.081	0.017	0.333	0.001	0	0	0	---	---	21
22	---	---	0	B	0.048	0.018	0.334	0	0	0	0	---	---	22
23	---	---	0	B	0.044	0.048	0.238	0	0	0	0	---	---	23
24	---	---	0	B	0.042	0.083	0.138	0	0	0	0	---	---	24
25	---	---	0	B	0.032	0.087	0.077	0	0	0	0	---	---	25
26	---	---	0	B	0.030	0.048	0.043	0	0	0	0	---	---	26
27	---	---	0	B	0.028	0.080	0.033	0	0	0	0	---	---	27
28	---	---	0	B	0.022	0.051	0.018	0	0	0	0	---	---	28
29	---	---	0	B	0.018	0.068	0.010	0	0	0	0	---	---	29
30	---		0	B	0.018	0.088	0.007	0	0	0	0	---	---	30
31	---		0.0388			0.084		0	0		0		---	31
TOTAL	---	---	0.038		8.830	0.787	1.680	0.333	0	0	0	---	---	TOTAL
MEAN	---	---	0.001		0.187	0.025	0.053	0.007	0	0	0	---	---	MEAN
MAX	---	---	0.038		1.08	0.083	0.334	0.043	0	0	0	---	---	MAX
MIN	---	---	0		0.018	0.008	0.003	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.035
MAXIMUM DAILY, 1.088 ON APR 5
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
1.488 AT 07:27 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 10 N
LONG 96 44 28 W
DRAINAGE AREA, 183 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18.3
FEB	---	AUG	0
MAR	3.02	SEP	0
APR	511	OCT	0
MAY	88.3	NOV	---
JUN	137	DEC	---

TOTAL DISCHARGE, 737 dam³

CORMORANT LAKE AT CORMORANT - STATION NO. 05KK002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.078	---	256.018E	256.008	256.032	---	256.040	256.067	256.078	256.788	256.098	256.090	1
2	256.080	---	256.018E	256.006	256.034	---	256.040	256.061	256.074	256.780	256.094	256.090	2
3	256.077	---	256.014E	256.000	256.038	---	256.034	256.054	256.070	256.758	256.088	256.088	3
4	256.072	---	256.012E	256.008	256.042	---	256.031	256.056	256.048	256.747	256.080	256.088	4
5	256.068	---	256.010E	256.011	256.044	---	256.026	256.050	256.038	256.748	256.083	256.081	5
6	256.073	---	256.008	256.011	256.047	---	256.031	256.032	256.033	256.743	256.083	256.080	6
7	256.083	---	256.011	256.008	256.054	---	256.044	256.027	256.053	256.741	256.071	256.058	7
8	256.080	---	256.012	256.020	256.052	---	256.038	256.028	256.010	256.738	256.067	256.053	8
9	256.074	---	256.013	256.026	256.054	---	256.027	256.013	256.048	256.780	256.073	256.048	9
10	256.077	---	256.011	256.023	256.050	---	256.007	256.008	256.038	256.730	256.072	256.048	10
11	256.075	---	256.008	256.023	256.051	---	256.008	256.004	256.023	256.717	256.085	256.046	11
12	256.070	---	256.007	256.026	---	---	256.008	256.004	256.024	256.714	256.086	256.058	12
13	256.082	---	256.004	256.020	---	---	256.003	256.008	256.030	256.721	256.071	256.053	13
14	256.081	---	256.004	256.020	---	---	256.008	256.008	256.013	256.724	256.086	256.051	14
15	256.080A	256.038A	256.001	256.018	---	---	256.013	256.000E	256.008	256.738	256.088	256.048	15
16	---	256.046A	256.004	256.020	---	---	256.017	256.001E	256.007	256.727	256.087	256.086	16
17	---	---	256.008	256.017	---	---	256.014	256.002E	256.006	256.714	256.088	256.057	17
18	---	---	256.000	256.013	---	---	256.011	256.001E	256.008	256.718	256.087	256.084	18
19	---	---	256.004	256.010	---	---	256.004	256.000E	256.003	256.707	256.087	256.084	19
20	---	---	256.002	256.008	---	256.087A	256.007	256.001E	256.787	256.718	256.087	256.081	20
21	---	---	256.004	256.007	---	256.087	256.008	256.001E	256.786	256.693	256.088	256.084	21
22	---	---	256.006	256.006	---	256.084	256.006	256.002E	256.807	256.706	256.088	256.089	22
23	---	---	256.006	256.002	---	256.080	256.001	256.000E	256.786	256.709	256.088	256.087	23
24	---	---	256.006	256.006	---	256.048	256.008	256.000	256.781	256.687	256.070	256.084	24
25	---	---	256.008	256.004	---	256.081	256.008	256.001	256.783	256.691	256.088	256.082	25
26	---	---	256.002	256.008	---	256.048	256.007	256.007	256.778	256.678	256.082	256.088	26
27	---	---	256.008	256.001	---	256.026	256.000	256.008	256.770	256.677	256.088	256.086	27
28	---	---	256.000	256.003	---	256.036	256.000	256.007	256.771	256.673	256.080	256.081	28
29	---	---	256.006	256.008	---	256.033	256.002	256.002	256.776	256.668	256.082	256.081	29
30	---	---	256.001	256.002	---	256.032	256.076	256.006	256.777	256.668	256.087	256.081	30
31	---	---	256.006	---	---	---	256.084	256.071	---	256.681	---	256.081	31
MEAN	---	---	256.004	256.010	---	---	256.008	256.001	256.017	256.718	256.086	256.067	MEAN
MAX	---	---	256.018	256.026	---	---	256.044	256.067	256.810	256.788	256.098	256.089	MAX
MIN	---	---	256.000	256.000	---	---	256.076	256.062	256.770	256.668	256.063	256.046	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.083 ON JAN 7
MINIMUM DAILY, 256.046 ON DEC 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 00 N
LONG 100 35 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

CROSS LAKE AT CROSS LAKE - STATION NO. 05UD001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	205.818	207.182	206.780	205.847	205.843	205.888	205.188	205.180	205.082	205.113	206.105	206.432	1
2	205.824	207.147	205.783	205.830	205.881	205.872	205.208	205.188	205.061	205.180	206.134	206.436	2
3	206.843	207.133	206.760	205.820	206.036	205.846	205.200	205.187	205.108	205.176	206.182	206.432	3
4	205.848	207.122	205.738	205.824	205.897	205.818	205.218	205.180	205.133	205.232	206.188	206.423	4
5	206.856	207.111	206.726	205.838	205.873	205.806	205.214	205.139	205.143	205.246	206.218	206.416	5
6	206.867	207.118	206.708	205.838	205.838	205.811	205.210	205.125	205.126	205.263	206.232	206.412	6
7	206.882	207.116	206.686	205.838	205.851	205.850	206.226	205.150	205.103	205.300	206.251	206.406	7
8	206.898	207.118	206.661	205.838	205.861	205.818	205.202	205.180	205.080	205.332	206.267	206.411	8
9	207.018	207.121	206.618	205.834	205.876	205.828	205.188	205.133	205.138	205.330	206.282	206.426	9
10	207.040	207.128	206.548	205.831	205.867	205.476	205.214	205.118	206.201	205.378	206.286	206.461	10
11	207.057	207.130	206.582	205.826	205.878	205.467	205.208	205.130	205.202	205.444	206.305	206.478	11
12	207.083	207.127	206.538	205.817	205.883	205.493	205.180	205.148	205.186	205.477	206.322	206.500	12
13	207.100	207.116	206.514	205.813	205.883	205.488	205.187	205.144	205.148	205.485	206.341	206.510	13
14	207.111	207.098	206.484	205.813	205.884	205.408	205.188	205.148	205.155	205.527	206.361	206.527	14
15	207.118	207.080	206.438	205.812	206.008	205.388	205.190	205.136	205.131	205.585	206.386	206.548	15
16	207.127	207.061	206.388	205.813	205.848	205.340	205.184	205.117	205.102	205.560	206.387	206.567	16
17	207.126	207.023	206.367	205.813	205.893	205.280	205.183	205.138	205.118	205.630	206.372	206.582	17
18	207.131	206.985	206.343	205.810	205.884	205.300	205.206	205.133	205.188	205.671	206.367	206.604	18
19	207.132	206.934	206.314	205.807	205.878	205.285	205.194	205.116	205.188	205.707	206.388	206.615	19
20	207.136	206.938	206.287	205.800	205.863	205.260	205.187	205.107	205.186	205.730	206.376	206.622	20
21	207.140	206.818	206.272	205.888	205.848	205.262	205.188	205.113	205.171	205.781	206.385	206.626	21
22	207.144	206.885	206.221	205.896	205.815	205.258	205.188	205.147	205.140	205.788	206.380	206.634	22
23	207.149	206.874	206.180	205.888	205.811	205.257	205.193	205.148	205.120	205.810	206.361	206.631	23
24	207.152	206.868	206.151	205.888	205.818	205.238	205.202A	205.152	205.126	205.811	206.362	206.628	24
25	207.158	206.858	206.138	205.883	205.788	205.240	206.200E	205.158	205.130	205.885	206.384	206.626	25
26	207.166	206.844	206.110	205.882	205.787	205.237	206.198E	205.147	205.124	205.887	206.387	206.630	26
27	207.176	206.828	206.080	205.877	205.771	205.214	206.198E	205.133	205.118	205.904	206.387	206.647	27
28	207.182	206.809	206.065	205.880	205.758	205.217	206.198E	205.138	205.118	205.937	206.398	206.656	28
29	207.184	206.795	206.055	205.882	205.758	205.202	206.197A	205.127	205.118	206.000	206.411	206.667	29
30	207.177		206.887	205.906	205.778	205.193	205.195	205.097	205.084	206.038	206.419	206.673	30
31	207.174		205.888		205.758		205.178	205.088		206.078		206.676	31
MEAN	207.088	207.018	206.404	205.812	205.887	205.408	205.187	205.138	205.133	205.588	206.318	206.548	MEAN
MAX	207.184	207.182	206.780	205.847	206.036	205.888	205.228	205.188	206.202	206.078	206.419	206.676	MAX
MIN	205.818	206.795	205.888	205.877	205.758	205.193	205.187	205.088	205.082	205.113	206.105	206.406	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 206.287
MAXIMUM DAILY, 207.184 ON JAN 29
MINIMUM DAILY, 205.082 ON SEP 1
MAXIMUM INSTANTANEOUS,
207.186 AT 07:02 CST ON JAN 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 37 25 N
LONG 97 47 07 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

CRYSTAL CITY RESERVOIR AT CRYSTAL CITY - STATION NO. 05OB001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	481.631E	481.529	481.381	480.981	480.938E	480.631E	---	---	1
2	---	---	---	---	481.631	481.529E	481.304E	480.958E	480.926	480.631E	---	---	2
3	---	---	---	---	481.630E	481.526	481.328E	480.931	480.928E	480.631	---	---	3
4	---	---	---	481.641	481.529	481.524E	481.351	480.924E	480.928E	480.631	---	---	4
5	---	---	---	481.768E	481.526E	481.523E	481.341E	480.918	480.929	480.508	---	---	5
6	---	---	---	481.731	481.526	481.521	481.331	480.904E	480.924E	480.488E	---	---	6
7	---	---	---	481.708E	481.526E	481.501E	481.308E	480.893E	480.921	480.481	---	---	7
8	---	---	---	481.681	481.526E	481.481	481.281	480.881	480.918E	480.481E	---	---	8
9	---	---	---	481.664E	481.526	481.468E	481.329E	480.888E	480.911	480.481E	---	---	9
10	---	---	---	481.648E	481.526E	481.431	481.178E	480.868	480.908E	480.481	---	---	10
11	---	---	---	481.631	481.526	481.431E	481.128	480.844E	480.908E	480.488E	---	---	11
12	---	---	---	481.668E	481.528E	481.431E	481.121E	480.831	480.905	480.481	---	---	12
13	---	---	---	481.661	481.624	481.431	481.118	480.831E	480.904E	480.481E	---	---	13
14	---	---	---	481.717	481.630E	481.428E	481.114E	480.831E	480.901	480.481	---	---	14
15	---	---	---	481.688	481.618E	481.428	481.111	480.831	480.901E	480.481E	480.476	---	15
16	---	---	---	481.688E	481.611	481.424E	481.111E	480.828E	480.901	480.481E	---	---	16
17	---	---	---	481.690E	481.608E	481.421	481.111E	480.828	480.901E	480.481	---	---	17
18	---	---	---	481.691	481.606	481.418E	481.111	480.824E	480.901E	480.481E	---	---	18
19	---	481.330	---	481.671E	481.596E	481.414E	481.071E	480.821	480.901	480.481	---	---	19
20	---	---	---	481.651	481.581	481.411	481.031	480.808E	480.891E	480.480E	---	---	20
21	---	---	---	481.641E	481.581E	481.388E	481.028E	480.784E	480.881	480.478	---	---	21
22	---	---	---	481.631	481.581E	481.381	481.026	480.781	480.878E	---	---	---	22
23	---	---	---	481.631E	481.581	481.388E	481.023E	480.768E	480.876	---	---	---	23
24	---	---	---	481.631E	481.568E	481.358	481.018E	480.731	480.874E	---	---	---	24
25	---	---	---	481.631	481.558	481.348E	481.018	480.724E	480.873E	---	---	---	25
26	---	---	---	481.631E	481.521	481.338E	480.988E	480.718	480.871	---	---	---	26
27	481.302	---	---	481.631	481.521E	481.321	480.981	480.704E	480.868E	---	---	---	27
28	---	---	---	481.631E	481.521E	481.324E	480.981E	480.883E	480.861	---	---	---	28
29	---	---	---	481.631	481.521E	481.318	480.981	480.861	480.848E	---	---	---	29
30	---		---	481.631E	481.521	481.298E	480.981E	480.868E	480.831	---	---	---	30
31	---		---		481.520E		480.981E	480.861		---		---	31
MEAN	---	---	---	---	481.596	481.424	481.128	480.818	480.887	---	---	---	MEAN
MAX	---	---	---	---	481.631	481.529	481.381	480.981	480.938	---	---	---	MAX
MIN	---	---	---	---	481.630	481.288	480.981	480.861	480.831	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 08 38 N
LONG 96 57 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1982

DRAINAGE AREA,
169 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1988, PUBLISHED AS "CRYSTAL CREEK ABOVE CRYSTAL CITY DAM"

CRYSTAL CREEK NEAR CRYSTAL CITY - STATION NO. 05OB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.004B	0.083B	0	0	0	0	0	0	---	---	1
2	---	---	0.003B	0.070B	0	0	0	0	0	0	---	---	2
3	---	---	0.013B	0.065B	0	0	0	0	0	0	---	---	3
4	---	---	0.014B	0.090B	0	0	0	0	0	0	---	---	4
5	---	---	0.020B	0.03B	0	0	0	0	0	0	---	---	5
6	---	---	0.073B	0.03B	0	0	0	0	0	0	---	---	6
7	---	---	0.107B	0.01B	0	0	0	0	0	0	---	---	7
8	---	---	0.097B	0.01B	0	0	0	0	0	0	---	---	8
9	---	---	0.114B	0.01B	0	0	0	0	0	0	---	---	9
10	---	---	0.067B	0.01B	0	0	0	0	0	0	---	---	10
11	---	---	0.117B	0.01B	0	0	0	0	0	0	---	---	11
12	---	---	0.113B	0.00B	0	0	0	0	0	0	---	---	12
13	---	---	0.043B	0.00B	0	0	0	0	0	0	---	---	13
14	---	---	0.014B	0.00B	0	0	0	0	0	0	---	---	14
15	---	---	0.011B	0.00B	0	0	0	0	0	0	---	---	15
16	---	---	0.010B	0.00B	0	0	0	0	0	0	---	---	16
17	---	---	0.008B	0.00B	0	0	0	0	0	0	---	---	17
18	---	---	0.016B	0.00B	0	0	0	0	0	0	---	---	18
19	---	---	0.007B	0.00B	0	0	0	0	0	0	---	---	19
20	---	---	0.008B	0.00B	0	0	0	0	0	0	---	---	20
21	---	---	0.007B	0.00B	0	0	0	0	0	0	---	---	21
22	---	---	0.008B	0.00B	0	0	0	0	0	0	---	---	22
23	---	---	0.011B	0.00B	0	0	0	0	0	0	---	---	23
24	---	---	0.018B	0.00B	0	0	0	0	0	0	---	---	24
25	---	---	0.008B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.30BB	0	0	0	0	0	0	0	---	---	26
27	---	---	0.03BB	0	0	0	0	0	0	0	---	---	27
28	---	---	0.017B	0	0	0	0	0	0	0	---	---	28
29	---	---	0.031B	0	0	0	0	0	0	0	---	---	29
30	---		0.03BB	0	0	0	0	0	0	0	---	---	30
31	---		0.008B		0		0	0		0	---	---	31
TOTAL	---	---	1.44B	0.44B	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.047	0.01B	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.30B	0.09B	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0.00B	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.30BB ON MAR 26
MINIMUM DAILY, 0 ON APR 25
MAXIMUM INSTANTANEOUS,
0.541B AT 06:55 CST ON MAR 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 38 N
LONG 96 59 36 W
DRAINAGE AREA, 138 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	125	SEP	0
APR	38.8	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 164 dam³

CYPRESS CREEK NEAR CLEARWATER - STATION NO. 05BB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0078	0.001	0	0	0	0	0	---	---	1
2	---	---	0 B	0.1188	0.002	0	0	0	0	0	---	---	2
3	---	---	0 B	0.1818	0.003	0	0	0	0	0	---	---	3
4	---	---	0 B	0.188	0.004	0	0	0	0	0	---	---	4
5	---	---	0.0018	0.188	0.008	0	0	0	0	0	---	---	5
6	---	---	0.0028	0.182	0.008	0	0	0	0	0	---	---	6
7	---	---	0.0028	0.088	0.008	0	0	0	0	0	---	---	7
8	---	---	0.0028	0.084	0.010	0	0	0	0	0	---	---	8
9	---	---	0.0028	0.078	0.010	0	0	0	0	0	---	---	9
10	---	---	0.0028	0.067	0.008	0	0	0	0	0	---	---	10
11	---	---	0.0028	0.048	0.010	0	0	0	0	0	---	---	11
12	---	---	0.0028	0.041	0.011	0	0	0	0	0	---	---	12
13	---	---	0.0018	0.035	0.010	0	0	0	0	0	---	---	13
14	---	---	0.0018	0.028	0.010	0	0	0	0	0	---	---	14
15	---	---	0.0018	0.023	0.009	0	0	0	0	0	---	---	15
16	---	---	0.0018	0.020	0.008	0	0	0	0	0	---	---	16
17	---	---	0.0028	0.018	0.008	0	0	0	0	0	---	---	17
18	---	---	0.0028	0.011	0.008	0	0	0	0	0	---	---	18
19	---	---	0.0028	0.008	0.008	0	0	0	0	0	---	---	19
20	---	---	0.0028	0.007	0.007	0	0	0	0	0	---	---	20
21	---	---	0.0108	0.008	0.006	0	0	0	0	0	---	---	21
22	---	---	0.0388	0.006	0.004	0	0	0	0	0	---	---	22
23	---	---	0.0438	0.003	0.003	0	0	0	0	0	---	---	23
24	---	---	0.0488	0.002	0.001	0	0	0	0	0	---	---	24
25	---	---	0.0588	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0.1248	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0.0788	0.002	0	0	0	0	0	0	---	---	27
28	---	---	0.0548	0.002	0	0	0	0	0	0	---	---	28
29	---	---	0.0478	0.001	0	0	0	0	0	0	---	---	29
30	---		0.0588	0.001	0	0	0	0	0	0	---	---	30
31	---		0.0638		0		0	0		0		---	31
TOTAL	---	---	0.701	1.406	0.181	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.023	0.047	0.006	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.124	0.188	0.011	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.188 ON APR 4
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.194 AT 13:05 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 21 N
LONG 96 58 54 W
DRAINAGE AREA, 368 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	80.6	SEP	0
APR	122	OCT	0
MAY	13.9	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 197 dam³

CYPRESS CREEK NEAR BARLEE - STATION NO. 05BB031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0 B	0.130	0	0	0	0	0	0	0	0	1
2	0	0	0 B	0.118	0	0	0	0	0	0	0	0	2
3	0	0	0 B	0.138	0	0	0	0	0	0	0	0	3
4	0	0	0 B	0.130	0	0	0	0	0	0	0	0	4
5	0	0	0 B	0.108	0	0	0	0	0	0	0	0	5
6	0	0	0.0038	0.088	0	0	0	0	0	0	0	0	6
7	0	0	0.0078	0.082	0	0	0	0	0	0	0	0	7
8	0	0	0.0148	0.048	0	0	0	0	0	0	0	0	8
9	0	0	0.0208	0.037	0	0	0	0	0	0	0	0	9
10	0	0	0.0288	0.037	0	0	0	0	0	0	0	0	10
11	0	0	0.0888	0.038	0	0	0	0	0	0	0	0	11
12	0	0	0.0578	0.015	0	0	0	0	0	0	0	0	12
13	0	0	0.0488	0.007	0	0	0	0	0	0	0	0	13
14	0	0	0.0348	0.008	0	0	0	0	0	0	0	0	14
15	0	0	0.0288	0.004	0	0	0	0	0	0	0	0	15
16	0	0	0.0288	0.003	0	0	0	0	0	0	0	0	16
17	0	0	0.0318	0.003	0	0	0	0	0	0	0	0	17
18	0	0	0.0348	0.003	0	0	0	0	0	0	0	0	18
19	0	0	0.0318	0.002	0	0	0	0	0	0	0	0	19
20	0	0	0.0258	0.002	0	0	0	0	0	0	0	0	20
21	0	0	0.0218	0.002	0	0	0	0	0	0	0	0	21
22	0	0	0.0318	0.002	0	0	0	0	0	0	0	0	22
23	0	0	0.0488	0.001	0	0	0	0	0	0	0	0	23
24	0	0	0.0838	0.001	0	0	0	0	0	0	0	0	24
25	0	0	0.0888	0.001	0	0	0	0	0	0	0	0	25
26	0	0B	0.0958	0.001	0	0	0	0	0	0	0	0	26
27	0	0B	0.0838	0.001	0	0	0	0	0	0	0	0	27
28	0	0B	0.0838	0	0	0	0	0	0	0	0	0	28
29	0	0B	0.142	0	0	0	0	0	0	0	0	0	29
30	0		0.170	0	0	0	0	0	0	0	0	0	30
31	0		0.142		0		0	0		0		0	31
TOTAL	0	0	1.414	0.976	0	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0.046	0.033	0	0	0	0	0	0	0	0	MEAN
MAX	0	0	0.170	0.138	0	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.170 ON MAR 30
MINIMUM DAILY, 0 ON JAN 1
MAXIMUM INSTANTANEOUS,
0.178 AT 18:30 CST ON MAR 28

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 09 35 N
LONG 96 57 05 W
DRAINAGE AREA, 149 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	122	SEP	0
APR	84.3	OCT	0
MAY	0	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 206 dam³

CYPRESS RIVER NEAR BRUXELLES - STATION NO. 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0058	0.3358	0.077	0.012	0	0	0	0	---	---	1
2	---	---	0.0058	0.727B	0.072	0.008	0	0	0	0	---	---	2
3	---	---	0.0058	1.13 B	0.064	0.028	0	0	0	0	---	---	3
4	---	---	0.0108	1.43 B	0.058	0.018	0	0	0	0	---	---	4
5	---	---	0.0208	2.05 B	0.054	0.008	0	0	0	0	---	---	5
6	---	---	0.0308	2.18	0.048	0.007	0	0	0	0	---	---	6
7	---	---	0.1428	1.73	0.058	0.008	0	0	0	0	---	---	7
8	---	---	0.2488	1.52	0.247	0.004A	0	0	0	0	---	---	8
9	---	---	0.1888	1.37	0.588	0.004E	0	0	0	0	---	---	9
10	---	---	0.1538	1.18	0.438	0.003E	0	0	0	0	---	---	10
11	---	---	0.1028	0.948	0.388	0.002E	0	0	0	0	---	---	11
12	---	---	0.0818	0.741	0.303	0.002E	0	0	0	0	---	---	12
13	---	---	0.0748	0.558	0.233	0.001E	0	0	0	0	---	---	13
14	---	---	0.0488	0.383	0.188	0.001E	0	0	0	0	---	---	14
15	---	---	0.0268	0.278	0.132	0.004E	0	0	0	0	---	---	15
16	---	---	0.0188	0.224	0.107	0.004E	0	0	0	0	---	---	16
17	---	---	0.0088	0.182	0.088	0.003E	0	0	0	0	---	---	17
18	---	---	0.0088	0.158	0.084	0.002E	0	0	0	0	---	---	18
19	---	---	0.0088	0.134	0.057	0.002E	0	0	0	0	---	---	19
20	---	---	0.0048	0.118	0.088	0.001E	0	0	0	0	---	---	20
21	---	---	0.0088	0.088	0.053	0.001E	0	0	0	0	---	---	21
22	---	---	0.0188	0.088	0.042	0.001E	0	0	0	0	---	---	22
23	---	---	0.0638	0.104	0.088	0.001E	0	0	0	0	---	---	23
24	---	---	0.2428	0.080	0.311	0	0	0	0	0	---	---	24
25	---	---	0.2408	0.057	0.123	0	0	0	0	0	---	---	25
26	---	---	0.1748	0.055	0.058	0	0	0	0	0	---	---	26
27	---	---	0.1728	0.052	0.033	0	0	0	0	0	---	---	27
28	---	---	0.1888	0.043	0.021	0	0	0	0	0	---	---	28
29	---	---	0.1888	0.037	0.018	0	0	0	0	0	---	---	29
30	---		0.1888	0.034	0.011	0	0	0	0	0	---	---	30
31	---		0.2078		0.010		0	0		0		---	31
TOTAL	---	---	3.872	18.018	4.031	0.178	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.083	0.601	0.130	0.008	0	0	0	0	---	---	MEAN
MAX	---	---	0.248	2.18	0.588	0.028	0	0	0	0	---	---	MAX
MIN	---	---	0.004	0.034	0.010	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.102
MAXIMUM DAILY, 2.18 ON APR 6
MINIMUM DAILY, 0 ON JUN 24
MAXIMUM INSTANTANEOUS,
3.088 AT 12:01 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 26 46 N
LONG 95 54 25 W
DRAINAGE AREA, 385 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	248	SEP	0
APR	1 590	OCT	0
MAY	348	NOV	---
JUN	15.5	DEC	---

TOTAL DISCHARGE, 2 170 dam³

CYPRESS RIVER NEAR CYPRESS RIVER - STATION NO. 05MH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0108	1.05 B	0.188	0.057	0.001	0	0	0	---	---	1
2	---	---	0.0108	1.33 B	0.208	0.184	0.001	0	0	0	---	---	2
3	---	---	0.0108	1.78 B	0.218	0.188	0	0	0	0	---	---	3
4	---	---	0.0258	2.08 B	0.207	0.104	0	0	0	0	---	---	4
5	---	---	0.0508	2.25 B	0.188	0.080	0.002	0	0	0	---	---	5
6	---	---	0.1008	3.18 B	0.281	0.063	0.020	0	0	0	---	---	6
7	---	---	0.3508	2.88 B	0.288	0.051	0.004	0	0	0	---	---	7
8	---	---	0.3578	2.08	0.394	0.043	0.080	0	0	0	---	---	8
9	---	---	0.3658	1.82	0.563A	0.035	0.071	0	0	0	---	---	9
10	---	---	0.4008	1.88	0.428E	0.032	0.045	0	0	0	---	---	10
11	---	---	0.4348	1.48	0.315E	0.028	0.028	0	0	0	---	---	11
12	---	---	0.4008	1.23	0.303E	0.038	0.021	0	0	0	---	---	12
13	---	---	0.3878	1.08	0.238E	0.018	0.052	0	0	0	---	---	13
14	---	---	0.3758	0.882	0.177E	0.028	0.024	0	0	0	---	---	14
15	---	---	0.3828	0.772	0.163E	0.038	0.021	0	0	0	---	---	15
16	---	---	0.3508	0.670	0.136E	0.057	0.030	0	0	0	---	---	16
17	---	---	0.3388	0.581	0.131E	0.042	0.088	0	0	0	---	---	17
18	---	---	0.3288	0.526	0.128E	0.042	0.038	0	0	0	---	---	18
19	---	---	0.3248	0.583	0.120E	0.038	0.015	0	0	0.001	---	---	19
20	---	---	0.3228	0.418	0.117E	0.028	0.010	0	0	0.002	---	---	20
21	---	---	0.3208	0.371	0.118E	0.028	0.012	0	0	0.003	---	---	21
22	---	---	0.3188	0.338	0.114E	0.021	0.008	0	0	0.007	---	---	22
23	---	---	0.3188	0.307	0.131E	0.017	0.002	0	0	0.008	---	---	23
24	---	---	0.3288	0.288	0.380E	0.012	0.001	0	0	0.009	---	---	24
25	---	---	0.3388	0.283	0.183E	0.007	0.001	0	0	0.005	---	---	25
26	---	---	0.3388	0.271	0.117E	0.005	0.001	0	0	0.003	---	---	26
27	---	---	0.3488	0.254	0.087E	0.003	0.001	0	0	0.0048	---	---	27
28	---	---	0.3588	0.253	0.088E	0.002	0	0	0	0.0038	---	---	28
29	---	---	0.3778	0.247	0.081E	0.002	0	0	0	0.0028	---	---	29
30	---		0.6308	0.208	0.081A	0.001	0	0	0	0.0018	---	---	30
31	---		0.7888		0.112		0	0		0.0018		---	31
TOTAL	---	---	9.885	30.888	8.280	1.301	0.814	0	0	0.048	---	---	TOTAL
MEAN	---	---	0.313	1.03	0.202	0.043	0.020	0	0	0.002	---	---	MEAN
MAX	---	---	0.788	3.18	0.563	0.184	0.080	0	0	0.008	---	---	MAX
MIN	---	---	0.010	0.208	0.081	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.188
MAXIMUM DAILY, 3.188 ON APR 6
MINIMUM DAILY, 0 ON JUL 3
MAXIMUM INSTANTANEOUS,
3.738 AT 11:22 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 35 31 N
LONG 95 02 00 W
DRAINAGE AREA, 388 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	83.0
FEB	---	AUG	0
MAR	838	SEP	0
APR	3 870	OCT	4.15
MAY	840	NOV	---
JUN	112	DEC	---

TOTAL DISCHARGE, 4 330 dam³

DAUPHIN LAKE AT OCHRE BEACH - STATION NO. 05LJ010

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	280.403E	280.745	280.488	280.444	280.283	280.312	280.218E	---	1
2	---	---	---	---	280.520	280.695	280.488	280.474	280.323	280.313E	280.207	---	2
3	---	---	---	---	280.650	280.706	280.488E	280.434	280.313E	280.312	280.213E	---	3
4	---	---	---	---	280.670	280.688E	280.448	280.444	280.302	280.312	280.217	---	4
5	---	---	---	---	280.670	280.693E	280.465	280.344	280.283	280.227	280.218E	---	5
6	---	---	---	280.262	280.699	280.685	280.548	280.324E	280.281	280.312	280.212E	---	6
7	---	---	---	280.302	280.691	280.676	280.548	280.324E	280.263	280.217	280.210	---	7
8	---	---	---	280.322	280.688	280.685	280.485	280.314	280.183	280.238E	280.208E	---	8
9	---	---	---	280.335	280.687	280.545	280.453E	280.304	280.303	280.253E	280.207	---	9
10	---	---	---	280.344E	280.677	280.638	280.453E	280.324	280.338	280.271	280.206E	---	10
11	---	---	---	280.352	280.681	280.652E	280.450	280.304	280.281E	280.311	280.202	---	11
12	---	---	---	280.356	280.701	280.688E	280.405	280.344	280.283	280.181	280.202E	---	12
13	---	---	---	280.362	280.700	280.685	280.435	280.314E	280.253	280.211	280.202E	---	13
14	---	---	---	280.367	280.708E	280.645	280.458	280.384E	280.223	280.211E	280.202	---	14
15	---	---	---	280.362	280.718E	280.615	280.395	280.354	280.223	280.211E	---	---	15
16	---	---	---	280.382	280.724	280.600	280.413E	280.384	280.212	280.211E	---	---	16
17	---	---	---	280.387E	280.718	280.595	280.428E	280.374	280.258E	280.211	---	---	17
18	---	---	---	280.372	280.698	280.585E	280.445	280.334	280.308E	280.221	---	---	18
19	---	---	---	280.372	280.737	280.578E	280.475	280.334	280.352	280.192E	---	---	19
20	---	---	---	280.378	280.762	280.585	280.425	280.284E	280.282	280.182	---	---	20
21	---	---	---	280.378	280.748	280.545	280.445	280.284E	280.323	280.227	---	---	21
22	---	---	---	280.376	280.748E	280.585	280.435	280.314	280.302	280.248E	---	---	22
23	---	---	---	280.378	280.745	280.585E	280.432E	280.314	280.182	280.208E	---	---	23
24	---	280.142	---	280.382E	280.755	280.545	280.408E	280.353	280.308E	280.272	---	---	24
25	---	---	---	280.408	280.695	280.655	280.395	280.323	280.238E	280.282	---	---	25
26	---	---	---	280.408	280.745	280.595E	280.415	280.353	280.353	280.302	---	---	26
27	---	---	---	280.408	280.737	280.445	280.405	280.308E	280.347	280.304E	---	---	27
28	---	---	---	280.415	280.745	280.545	280.405	280.338E	280.172	280.308E	---	---	28
29	---	---	---	280.415	280.738E	280.425	280.345	280.283	280.332	280.307	---	---	29
30	---	---	---	280.408	280.725	280.455	280.378E	280.343	280.317E	280.218E	---	---	30
31	---		---		280.695		280.411E	280.323		280.224		---	31
MEAN	---	---	---	---	280.588	280.698	280.438	280.324	280.280	280.218	---	---	MEAN
MAX	---	---	---	---	280.808	280.745	280.548	280.474	280.352	280.272	---	---	MAX
MIN	---	---	---	---	280.403	280.425	280.345	280.314	280.172	280.181	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 280.808 ON MAY 16

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 06 45 N
LONG 99 44 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1931

DRAINAGE AREA,
8 700 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

DAUPHIN LAKE AT OUTLET - STATION NO. 05LJ008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.120	280.130	280.134	280.184	280.382	280.645	280.481	280.345	280.283	280.178	280.201	280.184	1
2	280.119	280.128	280.136	280.182	280.306	280.650	280.481	280.317	280.290	280.138	280.181	280.185	2
3	280.122	280.128	280.136	280.188	280.389	280.672	280.448	280.318	280.218	280.118	280.188	280.184	3
4	280.118	280.128	280.137	280.318	280.478	280.684	280.427	280.348	280.230	280.232	280.178	280.185	4
5	280.127	280.127	280.137	280.342	280.650	280.693	280.443	280.348	280.298	280.226	280.178	280.183	5
6	280.127	280.128	280.138	280.280	280.581	280.677	280.436	280.384	280.312	280.216	280.226	280.185	6
7	280.124	280.137	280.138	280.285	280.538	280.604	280.425	280.181	280.281	280.206	280.184	280.188	7
8	280.118	280.133	280.137	280.304	280.588	280.657	280.443	280.318	280.180	280.218	280.187	280.184	8
9	280.121	280.128	280.138	280.317	280.585	280.650	280.358	280.313	280.140	280.143	280.142	280.181	9
10	280.120	280.129	280.138	280.328	280.638	280.650	280.400	280.287	280.223	280.128	280.184	280.183	10
11	280.118	280.128	280.142	280.330	280.654	280.588	280.443	280.278	280.188	280.227	280.208	280.180	11
12	280.117	280.128	280.147	280.328	280.671	280.588	280.802	280.303	280.218	280.231	280.176	280.178	12
13	280.126	280.121	280.150	280.341	280.678	280.641	280.407	280.301	280.180	280.218	280.187	280.173	13
14	280.124	280.127	280.150	280.348	280.678	280.641	280.434	280.312	280.247	280.208	280.178	280.178	14
15	280.120	280.131	280.154	280.351	280.681	280.634	280.382	280.308	280.281	280.188	280.188	280.181	15
16	280.118	280.132	280.143	280.348	280.703	280.599	280.411	280.350	280.287	280.184	280.181	280.178	16
17	280.118	280.136	280.145	280.348	280.781	280.574	280.395	280.302	280.148	280.193	280.184	280.181	17
18	280.118	280.136	280.148	280.352	280.688	280.578	280.408	280.321	280.183	280.181	280.181	280.184	18
19	280.117	280.128	280.148	280.353	280.688	280.487	280.388	280.332	280.080	280.228	280.178	280.184	19
20	280.124	280.136	280.151	280.358	280.707	280.552	280.369	280.343	280.205	280.117	280.183	280.180	20
21	280.125	280.134	280.153	280.358	280.704A	280.478	280.411	280.455	280.278	280.208	280.183	280.181	21
22	280.123	280.132	280.153	280.358	280.708A	280.513	280.435	280.343	280.178	280.281	280.188	280.181	22
23	280.125	280.136	280.151	280.387	280.684A	280.513	280.322	280.205	280.218	280.027	280.180	280.184	23
24	280.123	280.130	280.155	280.372	280.648A	280.428	280.388	280.225	280.186	280.083	280.184	280.188	24
25	280.126	280.137	280.152	280.348	280.685A	280.478	280.368	280.348	280.312	280.051	280.183	280.181	25
26	280.124	280.140	280.172	280.400	280.682	280.642	280.381	280.321	280.211	280.182	280.187	280.187	26
27	280.124	280.138	280.171	280.398	280.688	280.578	280.403	280.183	280.238	280.015	280.188	280.180	27
28	280.121	280.138	280.178	280.407	280.705	280.510	280.328	280.348	280.207	280.173	280.188	280.183	28
29	280.119	280.136	280.183	280.418	280.687	280.588	280.334	280.318	280.241	280.187	280.184	280.183	29
30	280.123		280.185	280.410	280.721	280.638	280.394	280.378	280.195	280.185	280.178	280.182	30
31	280.127		280.186		280.715		280.318	280.283		280.181		280.185	31
MEAN	280.122	280.131	280.162	280.323	280.632	280.600	280.404	280.288	280.214	280.174	280.182	280.185	MEAN
MAX	280.126	280.140	280.186	280.418	280.845	280.694	280.802	280.455	280.313	280.321	280.328	280.186	MAX
MIN	280.116	280.121	280.134	280.182	280.306	280.426	280.318	280.183	280.080	280.015	280.142	280.173	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 280.303
MAXIMUM DAILY, 280.845A ON MAY 24
MINIMUM DAILY, 280.015 ON OCT 27
MAXIMUM INSTANTANEOUS,
281.065 AT 08:37 CST ON AUG 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 20 32 N
LONG 99 57 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAUPHIN RIVER NEAR DAUPHIN RIVER - STATION NO. 05LM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.00	12.40	17.40	31.40	73.2	101	112	68.6	33.5	18.7	13.2	7.038	1
2	14.20	12.60	17.70	32.20	70.6	101	115	64.1	30.1	17.4	14.0	7.248	2
3	15.20	12.80	18.00	33.20	68.6	104	115	60.7	27.9	16.7	14.2	7.488	3
4	13.80	12.80	18.20	35.00	63.6	108	110	62.7	25.4	16.4	13.8	7.838	4
5	13.00	12.00	18.20	36.70	66.6	108	108	64.3	26.7	16.1	13.4	7.578	5
6	13.00	12.00	18.10	36.70	68.1	110	108	62.2	26.7	16.6	13.4	7.578	6
7	13.70	12.70	17.70	37.60	71.0	108	110	57.4	22.6	16.1	13.7	6.388	7
8	13.10	12.70	18.00	40.70	62.2	98.1	115	56.6	27.6	16.0	13.7	4.328	8
9	13.00	12.70	20.00	41.00	56.6	101	108	58.4	26.6	17.6	13.6	5.308	9
10	12.10	12.00	20.30	44.40	64.7	108	98.6	58.6	26.3	11.6	12.6	6.428	10
11	12.10	13.00	20.40	53.70	68.2	108	98.6	62.4	27.1	14.3	12.3 B	6.068	11
12	12.20	13.10	20.60	66.60	66.6	108	103	60.4	22.3	17.6	12.2 B	6.788	12
13	12.30	13.10	20.70	74.60	66.2	108	101	46.2	22.1	16.6	12.0 B	6.488	13
14	12.60	13.30	21.20	76.10	76.3	104	98.7	47.0	20.6	17.1	10.3 B	6.128	14
15	12.10	13.00	21.70	78.0	82.3	103	97.3	46.6	26.1	16.0	10.1 B	4.788	15
16	11.00	14.00	22.10	76.2	86.6	108	88.0	44.3	25.6	15.0	7.058	4.228	16
17	12.00	14.00	22.10	67.2	77.4	110	87.6	36.4	24.1	14.4	6.888	3.818	17
18	12.20	14.70	22.70	77.2	83.2	111	88.1	38.7	18.6	15.8	6.828	4.138	18
19	11.00	15.40	23.20	74.6	77.6	107	83.6	37.0	17.0	14.6	6.718	4.328	19
20	11.70	15.00	23.70	70.7	78.2	111	81.2	36.2	13.7	17.7	6.308	4.398	20
21	12.20	15.00	24.00	72.6	80.6	108	82.0	38.6	18.6	12.3	6.138	4.268	21
22	12.40	15.00	24.70	73.0	84.2	104	82.7	38.7	16.2	20.4	6.338	3.888	22
23	12.30	15.00	25.00	73.4	80.6	108	88.4	38.4	16.6	13.4	6.848	3.848	23
24	12.30	15.00	25.00	68.0	83.3	108	85.2	38.4	19.6	8.33	6.888	3.888	24
25	12.30	15.00	25.40	67.3	80.6	103	85.1	34.2	16.2	6.86	6.788	3.288	25
26	12.40	16.10	27.00	66.3	83.1	108	80.0	37.6	21.4	7.07	6.838	3.048	26
27	12.20	16.00	26.30	73.6	84.2	114	80.6	33.7	18.1	11.2	6.148	3.418	27
28	12.00	16.00	26.70	78.1	86.7	107	78.6	31.6	20.6	10.9	6.008	3.288	28
29	11.00	17.00	29.40	76.0	86.7	108	72.6	34.7	20.3	11.0	6.088	3.178	29
30	11.00		30.30	74.7	101	112	71.4	37.7	21.3	12.6	6.008	3.228	30
31	12.20		30.00		108		70.0	37.7		12.7		3.138	31
TOTAL	394.3	412.0	703.6	1 804.0	2 403.7	3 199.1	2 888.0	1 483.6	682.6	482.88	308.70	145.80	TOTAL
MEAN	12.7	14.2	22.7	60.2	77.6	107	85.7	46.9	23.1	14.8	10.3	4.70	MEAN
MAX	15.2	17.0	30.0	78.0	108	118	115	68.6	33.5	20.4	14.2	7.57	MAX
MIN	11.0	12.4	17.4	31.4	63.2	98.1	70.0	31.6	12.7	6.86	6.00	3.13	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 40.8
MAXIMUM DAILY, 118 ON JUN 17
MINIMUM DAILY, 2.138 ON DEC 31
MAXIMUM INSTANTANEOUS,
118 AT 13:10 CST ON JUN 17

REMARKS - PRIOR TO 1988, PUBLISHED AS "ANAMA BAY"

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 00 N
LONG 98 19 20 W
DRAINAGE AREA, 52 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	34 100	JUL	258 000
FEB	35 600	AUG	128 000
MAR	60 800	SEP	58 900
APR	155 000	OCT	40 000
MAY	208 000	NOV	26 700
JUN	276 000	DEC	12 600

TOTAL DISCHARGE, 1 280 000 dam³

DEAD CREEK NEAR LEE RIVER NORTH OF PINAWA - STATION NO. 05PP005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.000	0.001	0.002	0.002	0.130	0.004	0.004	0.003	0	0.002	0.013	0.048	1
2	0.000	0.001	0.002	0.100	0.085	0.000	0.007	0.002	0	0.001	0.015	0.043	2
3	0.007	0.001	0.002	0.150	0.077	0.000	0.011	0.003	0	0.001	0.018	0.041	3
4	0.005	0.001	0.002	0.225	0.073	0.005	0.014	0.001	0	0	0.021	0.038	4
5	0.004	0.001	0.002	0.385	0.082	0.005	0.017	0	0	0	0.024	0.038	5
6	0.003	0.001	0.002	0.407	0.088	0.004	0.018	0	0	0	0.028	0.033	6
7	0.003	0.001	0.002	0.448	0.121	0.004	0.272	0	0	0	0.028	0.031	7
8	0.003	0.002	0.002	0.482	0.181	0.003	0.338	0	0	0	0.028	0.028	8
9	0.002	0.002	0.002	0.417	0.157	0.003	0.405	0	0	0	0.027	0.027	9
10	0.002	0.002	0.002	0.374	0.181	0.002	0.202	0	0	0	0.025	0.024	10
11	0.002	0.002	0.002	0.348	0.188	0.002	0.101	0	0	0	0.024	0.023	11
12	0.002	0.002	0.002	0.329	0.071	0.002	0.087	0	0.020	0	0.022	0.020	12
13	0.001	0.002	0.002	0.306	0.048	0.003	0.081	0	0.080	0	0.020	0.018	13
14	0.001	0.002	0.002	0.334	0.052	0.006	0.084	0	0.080	0	0.018	0.017	14
15	0.001	0.002	0.002	0.193	0.048	0.012	0.071	0	0.100	0	0.018	0.015	15
16	0.001	0.002	0.002	0.150	0.041	0.017	0.065	0	0.080	0.001	0.014	0.014	16
17	0.001	0.002	0.002	0.143	0.011	0.016	0.054	0	0.080	0.002	0.013	0.012	17
18	0.001	0.002	0.002	0.135	0.070	0.014	0.032	0	0.040	0.004	0.021	0.011	18
19	0.001	0.002	0.002	0.101	0.187	0.012	0.041	0	0.020	0.003	0.031	0.007	19
20	0.001	0.002	0.002	0.088	0.200	0.011	0.040	0	0.000	0.002	0.041	0.007	20
21	0.001	0.002	0.002	0.084	0.188	0.008	0.030	0	0.000	0.001	0.043	0.007	21
22	0.001	0.002	0.002	0.111	0.136	0.006	0.001	0	0.007	0.004	0.048	0.007	22
23	0.001	0.002	0.002	0.100	0.108	0.000	0.001	0	0.000	0.000	0.048	0.006	23
24	0.001	0.002	0.002	0.284	0.081	0.007	0.001	0	0.005	0.000	0.048	0.006	24
25	0.001	0.002	0.002	0.251	0.087	0.005	0.001	0	0.004	0.011	0.048	0.006	25
26	0.001	0.002	0.002	0.201	0.054	0.002	0	0	0.003	0.012	0.048	0.006	26
27	0.001	0.002	0.002	0.105	0.048	0.002	0.001	0	0.003	0.014	0.048	0.006	27
28	0.001	0.002	0.002	0.089	0.040	0.004	0.001	0	0.003	0.015	0.048	0.006	28
29	0.001	0.002	0.002	0.108	0.038	0.005	0.001	0.001	0.003	0.015	0.048	0.006	29
30	0.001		0.002	0.114	0.036	0.004	0.002	0.001	0.002	0.014	0.048	0.006	30
31	0.001		0.002		0.038		0.002	0		0.014		0.006	31
TOTAL	0.080	0.061	0.062	8.481	2.740	0.182	1.906	0.011	0.513	0.131	0.838	0.577	TOTAL
MEAN	0.002	0.002	0.002	0.215	0.088	0.006	0.062	0	0.017	0.004	0.031	0.018	MEAN
MAX	0.008	0.002	0.002	0.482	0.200	0.017	0.405	0.003	0.100	0.015	0.048	0.048	MAX
MIN	0.001	0.001	0.002	0.002	0.011	0.002	0	0	0	0	0.013	0.007	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.037
MAXIMUM DAILY, 0.482 ON APR 8
MINIMUM DAILY, 0 ON JUL 28

DATA CONTRIBUTED BY -
ATOMIC ENERGY OF CANADA

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT N
LONG W

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5.00	JUL	105
FEB	4.41	AUG	0.05
MAR	5.36	SEP	44.3
APR	557	OCT	11.3
MAY	237	NOV	80.0
JUN	16.0	DEC	46.0

TOTAL DISCHARGE, 1 150 dam³

DEAD HORSE CREEK NEAR ROSENFELD - STATION NO. 05DC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3578	0.005	0.008	0.026	0	0	0	---	---	1
2	---	---	0 B	1.88 B	0.004	0.002	0.030	0	0	0	---	---	2
3	---	---	0 B	5.44 B	0	0.012	0.047	0	0	0	---	---	3
4	---	---	0.0178	4.18 B	0	0.005	0.050	0	0	0	---	---	4
5	---	---	0.0528	1.78 B	0	0.005	0.045	0	0	0	---	---	5
6	---	---	0.0448	1.05 B	0	0.004	0.037	0	0	0	---	---	6
7	---	---	0.0388	0.716	0	0.004	0.018	0	0	0	---	---	7
8	---	---	0.0308	0.511	0	0.012	0.012	0	0	0	---	---	8
9	---	---	0.0268	0.381	0	0.007	0.014	0	0	0	---	---	9
10	---	---	0.0518	0.258	0	0	0.014	0	0	0.006	---	---	10
11	---	---	0.2788	0.235	0	0	0.011	0	0	0.008	---	---	11
12	---	---	0.1818	0.187	0	0	0.008	0	0	0.005	---	---	12
13	---	---	0.0438	0.155	0	0	0.008	0	0	0.002	---	---	13
14	---	---	0.0298	0.133	0	0	0.008	0	0	0.003	---	---	14
15	---	---	0.0458	0.110	0	0	0.014	0	0	0.003A	---	---	15
16	---	---	0.0288	0.082	0	0.011	0.010	0	0	0.003E	---	---	16
17	---	---	0.0268	0.080	0	0.053	0.014	0	0	0.003E	---	---	17
18	---	---	0.0578	0.050	0	0.083	0.011	0	0	0.003E	---	---	18
19	---	---	0.1768	0.041	0	0.040	0.008	0	0	0.003E	---	---	19
20	---	---	0.1188	0.032	0	0.015	0.007	0	0	0.003E	---	---	20
21	---	---	0.0788	0.027	0	0.015	0.006	0	0	0.001E	---	---	21
22	---	---	0.1188	0.023	0	0.020	0.002	0	0	0.001E	---	---	22
23	---	---	0.2108	0.018	0	0.030	0	0	0	0.001E	---	---	23
24	---	---	0.2868	0.017	0	0.015	0	0	0	0.001E	---	---	24
25	---	---	0.0788	0.015	0	0.014	0	0	0	0.001E	---	---	25
26	---	---	0.0288	0.015	0.088	0.015	0	0	0	0.001E	---	---	26
27	---	---	0.0088	0.015	0.338	0.015	0	0	0	0.000E	---	---	27
28	---	---	0 B	0.015	0.213	0.015	0	0	0	0.002E	---	---	28
29	---	---	0 B	0.014	0.217	0.020	0	0	0	0.002E	---	---	29
30	---		0 B	0.011	0.218	0.020	0	0	0	0.001E	---	---	30
31	---		0 B		0.151		0		0	0.001E		---	31
TOTAL	---	---	2.043	17.858	1.077	0.585	0.410	0	0	0.051	---	---	TOTAL
MEAN	---	---	0.066	0.595	0.035	0.020	0.013	0	0	0.002	---	---	MEAN
MAX	---	---	0.288	5.44	0.338	0.085	0.050	0	0	0.008	---	---	MAX
MIN	---	---	0	0.011	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.089
MAXIMUM DAILY, 5.448 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.38B AT 00:35 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 10 N
LONG 97 33 00 W
DRAINAGE AREA, 813 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38.4
FEB	---	AUG	0
MAR	178	SEP	0
APR	1 520	OCT	4.41
MAY	83.1	NOV	---
JUN	50.5	DEC	---

TOTAL DISCHARGE, 1 880 dam³

REMARKS - PRIOR TO 1988, PUBLISHED AS "HESPELER FLOODWAY"

DEADHORSE CREEK AT MORDEN - STATION NO. 05DC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0188	0.001	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0128	0.004	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0088	0.002	0	0	0	0	0	---	---	3
4	---	---	0 B	0.0108	0.001	0	0	0	0	0	---	---	4
5	---	---	0.0018	0.0108	0.001	0	0	0	0	0	---	---	5
6	---	---	0.0018	0.007	0.001	0	0	0	0	0	---	---	6
7	---	---	0 B	0.005	0.002	0	0	0	0	0	---	---	7
8	---	---	0 B	0.003	0.003	0	0	0	0	0	---	---	8
9	---	---	0.0018	0.002	0.001	0	0	0	0	0	---	---	9
10	---	---	0.0018	0.001	0.001	0	0	0	0	0	---	---	10
11	---	---	0.0018	0.001	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.001	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.001	0	0	0	0	0	0	---	---	15
16	---	---	0.0018	0.001	0	0	0	0	0	0	---	---	16
17	---	---	0.0018	0.011	0	0	0	0	0	0	---	---	17
18	---	---	0.0018	0.006	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.003	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.004	0	0	0	0	0	0	---	---	20
21	---	---	0.0018	0.004	0	0	0	0	0	0	---	---	21
22	---	---	0.0018	0.002	0	0	0	0	0	0	---	---	22
23	---	---	0.0028	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0.0018	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0.0018	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0.0018	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0.0028	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0.0058	0.001	0	0	0	0	0	0	---	---	28
29	---	---	0.0048	0.001	0	0	0	0	0	0	---	---	29
30	---		0.0058	0.001	0	0	0	0	0	0	---	---	30
31	---		0.0188		0		0	0	0	0		---	31
TOTAL	---	---	0.084	0.122	0.018	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.003	0.004	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.018	0.018	0.004	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.018B ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.046B AT 13:53 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 47 N
LONG 98 08 38 W
DRAINAGE AREA, 142 km²
B - ICE CONDITIONS
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	4.87	SEP	0
APR	10.5	OCT	0
MAY	1.58	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 16.9 dam³

DEER RIVER NORTH OF BELCHER - STATION NO. 05FB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.27 B	0.8808	0.4788	0.4388	---	108 A	16.8	5.23	14.7 A	7.10A	2.718	1.04 B	1
2	1.23 B	0.8668	0.4718	0.4388	---	101	15.8	5.18	13.8 A	6.77A	2.678	1.01 B	2
3	1.19 B	0.8528	0.4668	0.4388	---	94.6	14.6	5.20	13.3 A	6.90A	2.518	0.8888	3
4	1.15 B	0.8388	0.4628	0.4388	---	91.6	13.8	5.55	12.3 A	6.53A	2.448	0.8838	4
5	1.12 B	0.8248	0.4608	0.4388	---	88.1	12.8	5.09	11.4 A	6.48A	2.328	0.8408	5
6	1.07 B	0.8188	0.4578	0.4388	---	81.2	12.2	5.10	10.5 A	6.40A	2.258	0.8288	6
7	1.04 B	0.8108	0.4548	0.4388	---	73.1	11.8	5.00	9.86A	6.28A	2.198	0.8178	7
8	1.02 B	0.8028	0.4518	0.4388	---	68.3	12.0	12.5	9.07A	6.89A	2.128	0.8838	8
9	1.00 B	0.8988	0.4488	0.4388	---	80.1	12.4	23.3	8.87A	6.42A	2.088	0.8708	9
10	0.9888	0.8888	0.4488	0.4388	---	84.7	12.4	31.8	8.38A	6.37A	1.958	0.8478	10
11	0.9838	0.8778	0.4438	0.4388	---	48.4	12.2	36.7	7.88A	5.93A	1.908	0.8338	11
12	0.9408	0.8888	0.4438	0.4388	---	43.0	11.7	38.0	7.41A	5.74A	1.888	0.8188	12
13	0.9178	0.8838	0.4408	0.4388	---	38.2	11.0	39.7	7.23A	5.58A	1.818	0.8088	13
14	0.8938	0.8578	0.4408	0.4388	---	34.9	10.3	38.0	7.68A	5.80A	1.778	0.7818	14
15	0.8708	0.8528	0.4408	0.4388	---	31.8	9.82	36.0	6.82A	5.41A	1.728	0.7638	15
16	0.8478	0.8488	0.4378	0.4388	---	28.8	9.15	33.8	6.28A	5.56A	1.688	0.7728	16
17	0.8338	0.8408	0.4378	0.4388	---	27.5	8.82	30.7	6.38A	5.48A	1.638	0.7638	17
18	0.8198	0.8388	0.4378	0.4388	---	26.2	8.13	27.4	6.17A	5.85A	1.588	0.7488	18
19	0.8058	0.8298	0.4378	0.4388	---	23.8	7.88	23.8	7.83A	7.01A	1.548	0.7388	19
20	0.7888	0.8248	0.4388	0.4388	---	24.8	7.88	21.0	7.81A	6.08A	1.498	0.7278	20
21	0.7808	0.8188	0.4388	0.4388	---	28.4	7.08	18.8	7.26A	5.87A	1.408	0.7188	21
22	0.7728	0.8138	0.4388	0.4388	---	30.8	6.51	18.3	7.01A	3.78A	1.388	0.7088	22
23	0.7638	0.8078	0.4388	0.4388	---	31.2	6.31	18.3	7.14A	3.81B	1.318	0.6998	23
24	0.7528	0.8018	0.4388	0.4388	---	28.8	6.02	15.0 A	6.88A	3.64B	1.278	0.6868	24
25	0.7448	0.4988	0.4388	0.4388	---	27.6	5.85	14.0 A	6.89A	3.48B	1.238	0.6808	25
26	0.7388	0.4908	0.4388	0.4388	---	26.8	5.34	12.8 A	6.84A	3.31B	1.198	0.6718	26
27	0.7248	0.4858	0.4388	0.4388	---	23.8	5.02	12.8 A	6.90A	3.24B	1.188	0.6608	27
28	0.7188	0.4828	0.4388	0.4388	---	21.8	4.82	13.8 A	6.92A	3.09B	1.128	0.6528	28
29	0.7088	0.4798	0.4388	0.4388	---	20.1	4.88	14.8 A	6.92A	3.01B	1.108	0.6448	29
30	0.6978		0.4388	0.4388	---	18.8	4.80	16.1 A	7.10A	2.94B	1.078	0.6328	30
31	0.6888		0.4388		---		5.20	16.2 A		2.78B		0.6248	31
TOTAL	27.831	16.236	13.786	13.060	---	1 408.3	282.83	598.13	281.28	165.74	52.30	24.544	TOTAL
MEAN	0.898	0.580	0.444	0.435	---	46.8	9.44	19.3	9.71	5.35	1.74	0.792	MEAN
MAX	1.27	0.880	0.478	0.438	---	108	16.8	38.7	14.7	9.85	2.71	1.04	MAX
MIN	0.688	0.478	0.438	0.438	---	18.8	4.80	5.18	6.14	2.78	1.07	0.624	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 54 N
LONG 94 11 44 W
DRAINAGE AREA, 1 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 400	JUL 28 300	
FEB	1 400	AUG 51 700	
MAR	1 190	SEP 22 800	
APR	1 130	OCT 14 300	
MAY	---	NOV 4 520	
JUN	121 000	DEC 2 120	

DELORAINE RESERVOIR NEAR DELORAINE - STATION NO. 05MG014

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	539.118E	539.198	539.238	539.212	538.985	538.774	538.527	538.398	538.304A	---	1
2	---	---	539.118E	539.198	539.248	539.208	538.956	538.788	538.518	538.382	---	---	2
3	---	---	539.118E	539.247	539.258	539.203	538.963	538.780	538.511	538.388	---	---	3
4	---	---	539.118E	539.270	539.248	539.198	538.948	538.781	538.508	538.388	---	---	4
5	---	---	539.119E	539.281	539.248	539.188	538.948	538.739	538.498	538.378	---	---	5
6	---	---	539.120E	539.285	539.248	539.174	538.944	538.732	538.482	538.374	---	---	6
7	---	---	539.124E	539.280	539.258	539.163	538.887	538.727	538.488	538.371	---	---	7
8	---	---	539.128E	539.281	539.273	539.152	538.950	538.717	538.458	538.388	---	---	8
9	---	---	539.132E	539.282	539.282	539.138	538.942	538.708	538.441	538.388	---	---	9
10	---	---	539.139A	539.281	539.288	539.128	538.938	538.700	538.438	538.383	---	---	10
11	---	---	539.139	539.281	539.288	539.112	538.938	538.690	538.451	538.388	---	---	11
12	---	---	539.134	539.288	539.288	539.102	538.928	538.680	538.480	538.387	---	---	12
13	---	---	539.132	539.282	539.284	539.094	538.943	538.687	538.448	538.381	---	---	13
14	---	---	539.130	539.278	539.278	539.101	538.938	538.681	538.437	538.348	---	---	14
15	---	---	539.127	539.278	539.288	539.102	538.927	538.678	538.431	538.348	---	---	15
16	---	---	539.125	539.285	539.288	539.094	538.919	538.688	538.428	538.348	---	---	16
17	---	---	539.125	539.288	539.282	539.088	538.912	538.680	538.432	538.344	---	---	17
18	---	---	539.124	539.284	539.288	539.077	538.907	538.684	538.428	538.341	---	---	18
19	---	---	539.123	539.290	539.287	539.088	538.888	538.880	538.447	538.338	---	---	19
20	---	---	539.123	539.247	539.288	539.057	538.882	538.843	538.448	538.334	---	---	20
21	---	---	539.124	539.244	539.282	539.045	538.885	538.838	538.442	538.333	---	---	21
22	---	---	539.118	539.243	539.278	539.035	538.874	538.824	538.437	538.332	---	---	22
23	---	---	539.127	539.241	539.273	539.027	538.859	538.812	538.432	538.323	---	---	23
24	---	---	539.138	539.237	539.288	539.025	538.851	538.807	538.428	538.318	---	---	24
25	---	539.133A	539.152	539.232	539.258	539.018	538.842	538.888	538.423	538.318	---	---	25
26	---	---	539.153	539.228	539.248	539.012	538.828	538.878	538.417	538.312	---	---	26
27	---	---	539.151	539.227	539.243	539.002	538.818	538.868	538.408	538.310	---	---	27
28	---	---	539.148	539.224	539.238	538.998	538.808	538.860	538.408	538.308	---	---	28
29	---	---	539.148	539.218	539.230	538.977	538.798	538.868	538.404	538.308	---	---	29
30	---	---	539.148	539.223	539.223	538.988	538.788	538.848	538.401	538.308	---	---	30
31	---		539.149		539.217		538.781	538.838		538.303		---	31
MEAN	---	---	539.132	539.284	539.284	539.092	538.888	538.861	538.448	538.348	---	---	MEAN
MAX	---	---	539.153	539.282	539.282	539.212	538.985	538.774	538.527	538.388	---	---	MAX
MIN	---	---	539.118	539.188	539.217	538.988	538.781	538.838	538.401	538.303	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 539.282 ON APR 8

MAXIMUM INSTANTANEOUS,
539.288 AT 13:30 CST ON MAY 17

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1963 ADJ.)

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 50 N
LONG 100 24 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DENNIS LAKE NEAR MALONTON - STATION NO. 05UE001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	288.084	288.054	---	---	288.851	288.533	288.802	---	1
2	---	---	---	---	288.087	288.083	---	---	288.848	288.546	288.802	---	2
3	---	---	---	---	288.087	288.083	---	---	288.846	288.523	288.498A	---	3
4	---	---	---	---	288.084	288.081	---	---	288.538	288.517	---	---	4
5	---	---	---	---	288.081	288.088	---	---	288.530	288.517	---	---	5
6	---	---	---	---	288.081	288.045	---	---	288.514	288.517	---	---	6
7	---	---	---	---	288.103	288.029	---	---	288.527	288.517	---	---	7
8	---	---	---	---	288.133	288.014	---	---	288.543	288.530	---	---	8
9	---	---	---	---	288.148	288.008	---	---	288.533	288.533A	---	---	9
10	---	---	---	---	288.148	288.002	---	288.818A	288.527	---	---	---	10
11	---	---	---	288.180A	288.181	288.998	---	288.818	288.880	---	---	---	11
12	---	---	---	288.184	288.187	288.993	---	288.806	288.880	---	---	---	12
13	---	---	---	288.148	288.184	288.987	---	288.806	288.880	---	---	---	13
14	---	---	---	288.142	288.184	288.987	---	288.800	288.845	---	---	---	14
15	---	---	---	288.139	288.184	288.987	288.788A	288.800	288.533	---	---	---	15
16	---	---	---	288.133	288.180	288.987	---	288.894	288.842	---	---	---	16
17	---	---	---	288.127	288.187	288.987	---	288.881	288.881	---	---	---	17
18	---	---	---	288.124	288.181	288.884	---	288.884	288.889	---	---	---	18
19	---	---	---	288.121	288.148	288.884A	---	288.875	288.888	---	---	---	19
20	---	---	---	288.118	288.142	---	---	288.888	288.851	288.808A	---	---	20
21	---	---	288.868A	288.115	288.136	---	---	288.848	288.848	288.514	---	---	21
22	---	---	---	288.108	288.130	---	---	288.881	288.884	288.475	---	---	22
23	---	---	---	288.108	288.118	---	---	288.881	288.842	288.830	---	---	23
24	---	---	---	288.108	288.108	---	---	288.881	288.845	288.514	---	---	24
25	---	---	---	288.118	288.088	---	---	288.872	288.833	288.514	---	---	25
26	---	---	---	288.112	288.087	---	---	288.889	288.842	288.805	---	---	26
27	---	---	---	288.108	288.081	---	---	288.881	288.827	288.488	---	---	27
28	---	---	---	288.108	288.078	---	---	288.886	288.836	288.488	---	---	28
29	---	---	---	288.100	288.078	---	---	288.881	288.836	288.488	---	---	29
30	---		---	288.080	288.088	---	---	288.839	288.845	288.488	---	---	30
31	---		---		288.087		---	288.845		288.488		---	31
MEAN	---	---	---	---	288.117	---	---	---	288.843	---	---	---	MEAN
MAX	---	---	---	---	288.184	---	---	---	288.888	---	---	---	MAX
MIN	---	---	---	---	288.087	---	---	---	288.814	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 44 N
LONG 97 21 24 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA, 382 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - RECORDER MOVED 0.8 km W AUG 10, 1988 DUE TO LOW WATER CONDITIONS

DEVILS CREEK NEAR LISAU - STATION NO. 05QJ018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.10 B	0.060E	0.052E	0.033A	0.021A	---	0.018	---	---	1
2	---	---	0 B	2.80 B	0.060A	0.050A	0.028E	---	0.018A	0.020	---	---	2
3	---	---	0 B	4.10 B	0.060E	0.045E	0.028E	---	---	0.064	---	---	3
4	---	---	0 B	5.00 B	0.058A	0.037A	0.026A	0.023A	0.018A	0.038	---	---	4
5	---	---	0 B	3.62 B	0.058E	0.038E	0.047A	---	---	0.022A	---	---	5
6	---	---	0 B	2.64 B	0.061A	0.032A	0.058A	0.018A	0.012A	0.021E	---	---	6
7	---	---	0 B	1.84 B	0.070E	0.030A	0.053A	---	0.011E	0.022E	---	---	7
8	---	---	0 B	1.33 B	0.085A	0.028A	0.100A	0.018A	0.008A	0.021A	---	---	8
9	---	---	0 B	0.857B	0.082E	0.027A	0.158A	---	0.008E	0.021E	---	---	9
10	---	---	0 B	0.679B	0.080A	0.026E	0.088A	0.018A	0.010E	0.023E	---	---	10
11	---	---	0 B	0.804B	0.088E	0.025A	0.082A	---	0.037A	0.022A	---	---	11
12	---	---	0 B	0.671A	0.078A	0.024E	0.065A	0.018A	0.053A	0.020E	---	---	12
13	---	---	0 B	0.382A	0.068A	0.023E	0.058A	---	0.028A	0.021E	---	---	13
14	---	---	0 B	0.248A	0.061E	0.020E	0.045A	0.020A	0.017E	0.021A	---	---	14
15	---	---	0 B	0.300E	0.057A	0.073A	0.040A	0.020A	0.018A	0.024E	---	---	15
16	---	---	0 B	0.187A	0.058E	0.078A	0.040E	0.023A	0.018E	0.043A	---	---	16
17	---	---	0 B	0.144E	0.060A	0.057A	0.037A	0.018A	0.020A	0.041A	---	---	17
18	---	---	0 B	0.128A	0.060E	0.051A	0.037A	---	0.021E	0.035A	---	---	18
19	---	---	0 B	0.115E	0.173A	0.050A	0.034A	0.017A	0.042A	0.036E	---	---	19
20	---	---	0 B	0.111A	0.178A	0.038A	0.037A	---	0.037A	0.034E	---	---	20
21	---	---	0 B	0.104A	0.147A	0.032A	0.037A	0.017A	0.023A	0.032A	---	---	21
22	---	---	0 B	0.104A	0.113E	0.029A	0.036A	0.021A	0.021E	0.030E	---	---	22
23	---	---	0.040B	0.102E	0.104A	0.028E	0.028A	0.023A	0.020A	0.040A	---	---	23
24	---	---	0.116B	0.091A	0.093E	0.028A	0.037A	---	0.020A	0.042E	---	---	24
25	---	---	0.327B	0.087E	0.079A	0.045E	0.035A	0.020A	0.018E	0.040E	---	---	25
26	---	---	0.250B	0.088E	0.071E	0.030A	0.033A	---	0.030A	0.038E	---	---	26
27	---	---	0.240B	0.082E	0.068A	0.033E	0.033E	0.022A	0.030E	0.038E	---	---	27
28	---	---	0.183B	0.078A	0.067E	0.030A	0.033A	---	0.021A	0.031E	---	---	28
29	---	---	0.175B	0.078E	0.064A	0.028E	0.033A	0.022A	0.020E	0.030E	---	---	29
30	---		0.146B	0.078A	0.060E	0.024E	0.024E	---	0.018A	0.028E	---	---	30
31	---		0.327B		0.058A		0.024E	0.018A		0.030A		---	31
TOTAL	---	---	1.663	37.739	2.523	1.180	1.383	---	---	0.998	---	---	TOTAL
MEAN	---	---	0.080	0.825	0.081	0.040	0.044	---	---	0.031	---	---	MEAN
MAX	---	---	0.327	5.00	0.178	0.078	0.158	---	---	0.064	---	---	MAX
MIN	---	---	0	0.078	0.058	0.020	0.023	---	---	0.018	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 5.00B ON APR 4
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 98 43 50 W
DRAINAGE AREA, 349 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	117
FEB	---	AUG	---
MAR	180	SEP	---
APR	2 400	OCT	83.8
MAY	218	NOV	---
JUN	103	DEC	---

DOG LAKE NEAR YOGAR - STATION NO. 05 [illegible]

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	247.618	247.386	247.274	247.140	247.084	247.101	---	1
2	---	---	---	---	---	247.623	247.384	247.261	247.134	247.082	247.102A	---	2
3	---	---	---	---	247.524A	247.614	247.380	247.236	247.140	247.104	---	---	3
4	---	---	---	---	247.554	247.619	247.392	247.251	247.132	247.108	---	---	4
5	---	---	---	---	247.585	247.613	247.410	247.250	247.145	247.101	---	---	5
6	---	---	---	---	---	247.601	247.405	247.253	247.140	247.106	---	---	6
7	---	---	---	247.528A	247.591	247.607	247.381	247.183	247.097	247.102	---	---	7
8	---	---	---	247.535	247.602	247.630	247.378	247.220	247.035	247.110	---	---	8
9	---	---	---	247.541	247.588	247.462	247.380	247.211	247.082	247.080	---	---	9
10	---	---	---	247.549	247.593	247.458	247.388	247.216	247.117	247.078	---	---	10
11	---	---	---	247.556	247.591	247.485	247.388	247.213	247.141	247.106	---	---	11
12	---	---	---	247.565	247.587	247.464	247.378	247.222	247.120	247.118	---	---	12
13	---	---	---	247.585	247.576	247.447	247.343	247.208	247.101	247.100	---	---	13
14	---	---	---	247.586A	247.562	247.446	247.371	247.208	247.130	247.100	---	---	14
15	---	---	---	---	247.578	247.450	247.342	247.188	247.128	247.082	---	---	15
16	---	---	---	---	247.578	247.457	247.357	247.216	247.130	247.075	---	---	16
17	---	---	---	---	247.603	247.468	247.354	247.210	247.111	247.083	---	---	17
18	---	---	---	---	247.571	247.445	247.352	247.201	247.138	247.088	---	---	18
19	---	---	---	---	247.571	247.431	247.347	247.202	247.133	247.092	---	---	19
20	---	---	---	---	247.581	247.448	247.340	247.213	247.130	247.053	---	---	20
21	---	---	---	---	247.587	247.418	247.347	247.217	247.128	247.088	---	---	21
22	---	---	---	---	247.582	247.425	247.344	247.132	247.088	247.104	---	---	22
23	---	---	---	---	247.576	247.469	247.308	247.120	247.113	247.038	---	---	23
24	---	---	---	---	247.578	247.411	247.318	247.148	247.122	247.085	---	---	24
25	---	---	---	---	247.536	247.412	247.314	247.135	247.123	247.044	---	---	25
26	---	---	---	---	247.546	247.436	247.311	247.158	247.142	247.088	---	---	26
27	---	---	---	---	247.541	247.466	247.311	247.130	247.130	247.102	---	---	27
28	---	---	---	---	247.546	247.481	247.306	247.150	247.135	247.102	---	---	28
29	---	---	---	---	247.544	247.447	247.278	247.168	247.108	247.101	---	---	29
30	---		---	---	247.552	247.413	247.284	247.180	247.105	247.100	---	---	30
31	---		---		247.541		247.288	247.180		247.100		---	31
MEAN	---	---	---	---	---	247.485	247.348	247.199	247.118	247.080	---	---	MEAN
MAX	---	---	---	---	---	247.630	247.410	247.261	247.145	247.118	---	---	MAX
MIN	---	---	---	---	---	247.411	247.288	247.120	247.035	247.038	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 247.603 ON MAY 17
MINIMUM DAILY, 247.035 ON SEP 8
MAXIMUM INSTANTANEOUS,
247.734 AT 23:00 CST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 30 N
LONG 98 38 31 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1980 ADJ.)

EAGER LAKE NEAR TOD LAKE - STATION NO. 05EB007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	32.280	32.256	32.488	32.586	32.604	32.611	32.585	32.484	32.506	1
2	---	---	---	32.281	32.272	32.501	32.588	32.586	32.614	32.581	32.482	32.503	2
3	---	---	---	32.281	32.288	32.514	32.607	32.593	32.614	32.567	32.488	32.507	3
4	---	---	---	32.287	32.308	32.495	32.616	32.574	32.602	32.543	32.494	32.505	4
5	---	---	---	32.272	32.318	32.484	32.613	32.580	32.493	32.543	32.497	32.502	5
6	---	---	---	33.270	32.333	32.485	32.601	32.584	32.488	32.545	32.491	32.502	6
7	33.478A	---	---	32.283	32.338	32.487	32.597	32.587	32.497	32.540	32.493	32.502	7
8	---	---	---	32.286	32.358	32.489	32.643	32.588	32.553	32.544	32.503	32.504	8
9	---	---	---	32.272	32.371	32.503	32.642	32.571	32.534	32.502	32.508	32.504	9
10	---	---	---	32.272	32.376	32.52[illegible]	32.641	32.567	32.533	32.540	32.511	32.505	10
11	---	---	---	32.288	32.384	32.495	32.638	32.581	32.538	32.525	32.505	32.505	11
12	---	---	---	32.278	32.388	32.508	32.632	32.584	32.538	32.516	32.502	32.503	12
13	---	---	---	32.280	32.404	32.533	32.610	32.594	32.578	32.523	32.505	32.490	13
14	---	---	---	32.286	32.408	32.536	32.618	32.648	32.538	32.520	32.505	32.491	14
15	---	---	---	32.287	32.411	32.537	32.624	32.593	32.541	32.561	32.505	32.490	15
16	---	---	---	32.282	32.416	32.536	32.638	32.536	32.553	32.530	32.507	32.488	16
17	---	---	---	32.284	32.426	32.536	32.642	32.524	32.556	32.515	32.506	32.488	17
18	---	---	---	32.284	32.437	32.536	32.652	32.518	32.547	32.526	32.506	32.484	18
19	---	---	---	32.282	32.438	32.542	32.646	32.496	32.542	32.511	32.506	32.485	19
20	---	---	---	32.282	32.447	32.540	32.636	32.492	32.543	32.518	32.505	32.483	20
21	---	---	---	33.261	32.457	32.542	32.627	32.485	32.534	32.497	32.501	32.484	21
22	---	---	---	32.261	32.466	32.571	32.630	32.518	32.548	32.505	32.504	32.486	22
23	---	---	---	32.261	32.481	32.561	32.659	32.543	32.580	32.535	32.506	32.488	23
24	---	---	32.272A	32.261	32.456	32.560	32.620	32.580	32.574	32.520	32.511	32.486	24
25	---	---	33.278	32.262	32.477	32.598	32.606	32.557	32.584	32.526	32.510	32.488	25
26	---	---	32.270	32.262	32.474	32.594	32.620	32.569	32.548	32.507	32.513	32.482	26
27	---	---	33.265	33.260	32.488	32.584	32.618	32.534	32.538	32.524	32.513	32.483	27
28	---	---	32.259	33.235	32.488	32.575	32.620	32.513	32.537	32.508	32.512	32.484	28
29	---	---	32.274	33.232	32.482	32.570	32.620	32.513	32.548	32.491	32.508	32.488	29
30	---		32.271	33.248	32.484	32.581	32.592	32.486	32.577	32.485	32.505	32.484	30
31	---		33.259		32.478		32.618	32.501		32.484		32.482	31
MEAN	---	---	---	32.288	32.404	32.530	32.626	32.546	32.536	32.526	32.504	32.493	MEAN
MAX	---	---	---	32.280	32.482	32.598	32.659	32.597	32.577	32.582	32.513	32.507	MAX
MIN	---	---	---	33.232	32.258	32.485	32.592	32.485	32.486	32.484	32.484	32.482	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 33.659 ON JUL 23
MINIMUM DAILY, 33.232 ON APR 30
MAXIMUM INSTANTANEOUS,
33.703 AT 16:52 CST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 32 20 N
LONG 101 33 20 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

EAST FISHER RIVER NEAR HODGSON - STATION NO. 05SD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0638	0.2718	0.858	0.286	---	---	---	---	---	---	1
2	---	---	0.0868	1.43 B	0.784	0.346	---	---	---	---	---	---	2
3	---	---	0.0828	5.53 B	0.716	0.321	---	---	---	---	---	---	3
4	---	---	0.0878	8.47 B	0.663	0.306	---	---	---	---	---	---	4
5	---	---	0.0868	7.77 B	0.636	0.412	---	---	---	---	---	---	5
6	---	---	0.0868	5.42 B	0.390	0.385	---	---	---	---	---	---	6
7	---	---	0.0858	3.51 B	0.511	0.291	---	---	---	---	---	---	7
8	---	---	0.0828	2.19 B	1.01	0.278	---	---	---	---	---	---	8
9	---	---	0.0788	1.58 B	1.84	0.272	---	---	---	---	---	---	9
10	---	---	0.0888	1.54 B	1.72	0.263	---	---	---	---	---	---	10
11	---	---	0.0938	1.18 B	1.10	0.287	---	---	---	---	---	---	11
12	---	---	0.1018	1.07 B	0.867	0.288	---	---	---	---	---	---	12
13	---	---	0.0988	0.8978	0.732	0.282	---	---	---	---	---	---	13
14	---	---	0.0978	0.8388	0.622	0.263	---	---	---	---	---	---	14
15	---	---	0.0978	0.7088	0.574	0.262	---	---	---	---	---	---	15
16	---	---	0.0868	0.7618	0.527	0.277	---	---	---	---	---	---	16
17	---	---	0.0868	0.8588	0.484	0.272	---	---	---	---	---	---	17
18	---	---	0.0838	0.8628	0.418	0.271	---	---	---	---	---	---	18
19	---	---	0.0838	0.4948	0.400	0.246	---	---	---	---	---	---	19
20	---	---	0.0848	0.402	0.374	0.243	---	---	---	---	---	---	20
21	---	---	0.0828	0.357	0.360	0.618	---	---	---	---	---	---	21
22	---	---	0.0778	0.350	0.348	0.385	---	---	---	---	---	---	22
23	---	---	0.1138	0.353	0.308	0.337	---	---	---	---	---	---	23
24	---	---	0.1738	0.387	0.299	0.335	---	---	---	---	---	---	24
25	---	---	0.1818	0.530	0.308	0.320	---	---	---	---	---	---	25
26	---	---	0.1878	0.484	0.315	0.301	---	---	---	---	---	---	26
27	---	---	0.1838	0.418	0.330	0.282	---	---	---	---	---	---	27
28	---	---	0.1488	0.847	0.306	0.288	---	---	---	---	---	---	28
29	---	---	0.1418	0.888	0.307	0.368	---	---	---	---	---	---	29
30	---		0.1388	0.890	0.281	0.282	---	---	---	---	---	---	30
31	---		0.1218		0.270		---	---		---		---	31
TOTAL	---	---	3.195	51.136	18.340	9.007	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.100	1.70	0.592	0.300	---	---	---	---	---	---	MEAN
MAX	---	---	0.181	8.47	1.84	0.618	---	---	---	---	---	---	MAX
MIN	---	---	0.053	0.371	0.270	0.263	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.689
MAXIMUM DAILY, 8.478 ON APR 4
MINIMUM DAILY, 0.0638 ON MAR 1
MAXIMUM INSTANTANEOUS,
8.888 AT 05:23 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 97 32 00 W
DR/ NAGE AREA, 387 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	288	SEP	---
APR 4	420	OCT	---
MAY 1	880	NOV	---
JUN	778	DEC	---

TOTAL DISCHARGE, 7 060 dam³

EDWARDS CREEK DRAIN BELOW JACKFISH CREEK - STATION NO. 05LJ047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.08 B	9.78	1.08	0.020	0	0	0.026	---	---	1
2	---	---	0 B	4.15 B	24.8	0.857	0.015	0	0.002	0.016	---	---	2
3	---	---	0 B	9.21 B	31.9	0.438	0.008	0	0	0.011	---	---	3
4	---	---	0 B	8.88 B	10.1	0.330	0.001	0	0	0.003	---	---	4
5	---	---	0 B	6.88 B	5.91	0.280	0.001	0	0	0	---	---	5
6	---	---	0 B	7.33 B	4.38	0.248	0	0	0	0.028	---	---	6
7	---	---	0 B	3.74	7.20	0.192	0.108	0	0	0.016	---	---	7
8	---	---	0.0028	3.13	5.84	0.173	0.057	0	0	0.009	---	---	8
9	---	---	0.0048	3.02	5.80	0.174	0.025	0	0	0	---	---	9
10	---	---	0.0308	1.48	3.81	0.154	0.014	0	0	0	---	---	10
11	---	---	0.0038	1.81	3.03	0.182	0.011	0	0	0	---	---	11
12	---	---	0.0028	3.78	2.88	0.182	0.008	0	0	0	---	---	12
13	---	---	0 B	2.48	2.80	0.168	0.011	0	0.021	0.008	---	---	13
14	---	---	0 B	1.88	2.11	0.161	0.014	0	0.011	0.013	---	---	14
15	---	---	0 B	1.38	5.71	0.188	0.013	0	0.013	0.016	---	---	15
16	---	---	0 B	1.32	5.18	0.180	0.012	0	0.027	0.014	---	---	16
17	---	---	0 B	1.18	3.36	0.180	0.008	0.005	0.026	0.014	---	---	17
18	---	---	0 B	0.788	2.88	0.077	0	0	0.021	0.013	---	---	18
19	---	---	0 B	0.854	3.37	0.088	0	0.011	0.048	0.018	---	---	19
20	---	---	0 B	0.535	2.58	0.048	0	0.004	0.028	0.018	---	---	20
21	---	---	0.3008	0.478	2.03	0.028	0	0.071	0.118	0.018	---	---	21
22	---	---	0.4008	0.408	1.87	0.028	0	0.108	0.088	0.018	---	---	22
23	---	---	0.5308	0.388	1.43	0.030	0	0.031	0.032	0.018	---	---	23
24	---	---	0.8178	0.481	1.33	0.036	0	0.018	0.081	0.014	---	---	24
25	---	---	0.8368	0.418	0.948	0.047	0	0.007	0.031	0.013	---	---	25
26	---	---	0.4888	0.511	0.852	0.028	0	0.003	0.080	0.010	---	---	26
27	---	---	0.3388	0.717	0.628	0.021	0	0.001	0.088	0.0038	---	---	27
28	---	---	0.2828	1.78	0.886	0.030	0	0.008	0.098	0.0038	---	---	28
29	---	---	0.1588	4.81	0.833	0.028	0	0.009	0.118	0.0028	---	---	29
30	---		0.1068	4.88	0.554	0.021	0	0.008	0.078	0.0018	---	---	30
31	---		0.7888		1.87		0	0.003		0.0028		---	31
TOTAL	---	---	4.815	89.350	158.677	5.153	0.388	0.382	0.988	0.328	---	---	TOTAL
MEAN	---	---	0.155	2.31	5.11	0.172	0.011	0.008	0.032	0.011	---	---	MEAN
MAX	---	---	0.817	7.33	31.9	1.08	0.108	0.108	0.118	0.028	---	---	MAX
MIN	---	---	0	0.388	0.554	0.021	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.878
MAXIMUM DAILY, 31.9 ON MAY 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
88.0 AT 00:48 CST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 30 N
LONG 99 55 20 W
DRAINAGE AREA, 311 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	30.8
FEB	---	AUG	24.4
MAR	418	SEP	83.5
APR 5	880	OCT	28.1
MAY 13	705	NOV	---
JUN	445	DEC	---

TOTAL DISCHARGE, 20 700 dam³

ELGIN CREEK NEAR SOURIS - STATION NO. 05MG012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.005	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.005	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.005	0	0	0	0	0	---	---	3
4	---	---	0B	0 B	0.005	0	0	0	0	0	---	---	4
5	---	---	0B	0.003B	0.005	0	0	0	0	0	---	---	5
6	---	---	0B	0.006B	0.005	0	0	0	0	0	---	---	6
7	---	---	0B	0.004B	0.006	0	0.007	0	0	0	---	---	7
8	---	---	0B	0.004	0.005A	0	0.002	0	0	0	---	---	8
9	---	---	0B	0.038	0.005E	0	0.001	0	0	0	---	---	9
10	---	---	0B	0.027	0.005E	0	0.001	0	0	0	---	---	10
11	---	---	0B	0.015	0.004E	0	0.001	0	0	0	---	---	11
12	---	---	0E	0.009	0.004E	0	0.002	0	0	0	---	---	12
13	---	---	0B	0.013	0.004E	0	0.002	0	0	0	---	---	13
14	---	---	0B	0.031	0.004E	0	0.002	0	0	0	---	---	14
15	---	---	0B	0.030	0.003E	0	0.001	0	0	0	---	---	15
16	---	---	0B	0.026	0.003E	0	0.001	0	0	0	---	---	16
17	---	---	0B	0.033	0.003E	0	0.001	0	0	0	---	---	17
18	---	---	0B	0.018	0.003E	0	0.001	0	0	0	---	---	18
19	---	---	0B	0.013	0.003E	0	0.001	0	0	0	---	---	19
20	---	---	0B	0.018	0.003E	0	0.001	0	0	0	---	---	20
21	---	---	0B	0.013	0.002E	0	0.001	0	0	0	---	---	21
22	---	---	0B	0.006	0.002E	0	0	0	0	0	---	---	22
23	---	---	0B	0.007	0.001E	0	0	0	0	0	---	---	23
24	---	---	0B	0.005	0.001E	0	0	0	0	0	---	---	24
25	---	---	0B	0.005	0.001E	0	0	0	0	0	---	---	25
26	---	---	0B	0.005	0.001A	0	0	0	0	0	---	---	26
27	---	---	0B	0.005	0.001	0	0	0	0	0	---	---	27
28	---	---	0B	0.005	0.001	0	0	0	0	0	---	---	28
29	---	---	0B	0.005	0.001	0	0	0	0	0	---	---	29
30	---		0B	0.005	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0.508	0.084	0	0.025	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.017	0.003	0	0.001	0	0	0	---	---	MEAN
MAX	---	---	0	0.059	0.006	0	0.007	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.059B ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.076B AT 13:12 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 25 N
LONG 100 14 05 W
DRAINAGE AREA, 1 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2.16
FEB	---	AUG	0
MAR	0	SEP	0
APR	44.0	OCT	0
MAY	5.13	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 54.3 dam³

ELGIN RESERVOIR NEAR ELGIN - STATION NO. 05MG603

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	488.838E	488.883E	488.875	488.850	488.828E	488.382E	488.302E	---	1
2	---	---	---	---	488.848	488.881E	488.878E	488.848E	488.820E	488.382E	488.302E	---	2
3	---	---	---	---	488.840E	488.88	488.878E	488.841E	488.811	488.382	488.302E	---	3
4	---	---	---	---	488.840E	488.878E	488.875	488.837	488.808E	488.348E	488.302	---	4
5	---	---	---	488.843	488.840E	488.881E	488.881E	488.800	488.805E	488.344E	488.304E	---	5
6	---	---	---	---	488.840E	488.848	488.706E	488.808E	488.803E	488.340E	488.308E	---	6
7	---	---	---	---	488.848	488.844E	488.724E	488.887E	488.800E	488.338E	488.307	---	7
8	---	---	---	---	488.848E	488.840	488.740	488.803	488.387E	488.332	488.308E	---	8
9	---	---	---	---	488.848	488.818E	488.740E	488.888E	488.384E	488.330E	488.308E	---	9
10	---	---	---	---	488.838E	488.798	488.740E	488.877E	488.381E	488.328E	488.303E	---	10
11	---	---	---	---	488.823E	488.783E	488.740	488.888E	488.389E	488.325E	488.302	---	11
12	---	---	---	---	488.811E	488.782E	488.740E	488.888	488.388E	488.323E	488.302E	---	12
13	---	---	---	---	488.808	488.780	488.740E	488.887E	488.382E	488.321E	488.302E	---	13
14	---	---	---	---	488.815E	488.780E	488.740E	488.888E	488.380	488.318E	488.303	---	14
15	---	---	---	---	488.831E	488.780E	488.740	488.884	488.381E	488.316E	---	---	15
16	---	---	---	---	488.848	488.780E	488.738E	488.848E	488.381E	488.314E	---	---	16
17	---	---	---	---	488.847E	488.780E	488.737E	488.838E	488.382	488.312	---	---	17
18	---	---	---	---	488.840E	488.780E	488.735	488.831E	488.380E	488.310E	---	---	18
19	---	488.738	---	---	488.848E	488.780E	488.733E	488.823	488.377	488.307E	---	---	19
20	---	---	---	---	488.844E	488.780	488.730E	488.838	488.377E	488.305E	---	---	20
21	---	---	---	---	488.843	488.780E	488.728E	488.825E	488.377E	488.302	---	---	21
22	---	---	---	---	488.843E	488.770E	488.725	488.812E	488.377E	488.302E	---	---	22
23	---	---	---	---	488.843	488.780E	488.725E	488.800E	488.377E	488.302E	---	---	23
24	---	---	---	---	488.834E	488.780	488.725E	488.887E	488.377	488.302	---	---	24
25	---	---	---	---	488.828E	488.780E	488.725	488.874	488.375E	488.300E	---	---	25
26	---	---	---	488.826	488.818E	488.780E	488.708E	488.862	488.372	488.297	---	---	26
27	---	---	---	488.828E	488.807E	488.780	488.880E	488.851E	488.387E	488.298E	---	---	27
28	---	---	---	488.828E	488.888	488.731E	488.873E	488.880E	488.382E	488.300E	---	---	28
29	---	---	---	488.828E	488.888E	488.713E	488.855	488.848E	488.387E	488.302	---	---	29
30	---		---	488.828	488.888	488.894E	488.853E	488.847	488.382	488.302E	---	---	30
31	---		---		488.888E		488.852E	488.838E		488.302		---	31
MEAN	---	---	---	---	488.831	488.787	488.713	488.841	488.388	488.319	---	---	MEAN
MAX	---	---	---	---	488.848	488.883	488.740	488.880	488.428	488.382	---	---	MAX
MIN	---	---	---	---	488.828	488.894	488.882	488.838	488.382	488.297	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 35 30 N
LONG 100 14 13 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1968

DRAINAGE AREA,
879 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ELM CREEK CHANNEL NEAR ELM CREEK - STATION NO. 05OG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.454B	0	0	---	---	---	---	---	---	1
2	---	---	0 B	4.85 B	0	0	---	---	---	---	---	---	2
3	---	---	0 B	3.14 B	0	0	---	---	---	---	---	---	3
4	---	---	0 B	1.77 B	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0.816B	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.318B	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0.285B	0	0	---	---	---	---	---	---	7
8	---	---	0 B	0.213B	0.208	0	---	---	---	---	---	---	8
9	---	---	0 B	0.115B	0.110	0	---	---	---	---	---	---	9
10	---	---	0 B	0.078A	0.071	0	---	---	---	---	---	---	10
11	---	---	0 B	0.053	0.049	0	---	---	---	---	---	---	11
12	---	---	0 B	0.045	0.064	0	---	---	---	---	---	---	12
13	---	---	0 B	0.035	0.034	0	---	---	---	---	---	---	13
14	---	---	0 B	0.037	0.013	0	---	---	---	---	---	---	14
15	---	---	0 B	0.022	0.003	0	---	---	---	---	---	---	15
16	---	---	0 B	0.008	0	0	---	---	---	---	---	---	16
17	---	---	0 B	0.001	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0	0	---	---	---	---	---	---	20
21	---	---	0 B	0	0	0	---	---	---	---	---	---	21
22	---	---	0.010B	0	0	0	---	---	---	---	---	---	22
23	---	---	0.207B	0	0	0	---	---	---	---	---	---	23
24	---	---	0.040B	0	0	0	---	---	---	---	---	---	24
25	---	---	0.005B	0	0	0	---	---	---	---	---	---	25
26	---	---	0 B	0	0	0	---	---	---	---	---	---	26
27	---	---	0 B	0	0	0	---	---	---	---	---	---	27
28	---	---	0 B	0	0	0	---	---	---	---	---	---	28
29	---	---	0 B	0	0	0	---	---	---	---	---	---	29
30	---		0 B	0	0	0	---	---	---	---	---	---	30
31	---		0 B		0		---	---		---		---	31
TOTAL	---	---	0.262	12.236	0.552	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.008	0.408	0.018	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.207	4.85	0.208	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.107
MAXIMUM DAILY, 4.85B ON APR 2
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 42 N
LONG 97 58 57 W
DRAINAGE AREA, 874 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	22.6	SEP	---
APR	1 060	OCT	---
MAY	47.7	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 130 dam³

REMARKS - PRIOR TO 1988, PUBLISHED AS "CHANNEL NO. 2"

ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK - STATION NO. 05OG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.280B	0	0	---	---	---	---	---	---	1
2	---	---	0 B	2.15 B	0	0A	---	---	---	---	---	---	2
3	---	---	0 B	1.55 B	0	0	---	---	---	---	---	---	3
4	---	---	0 B	0.847B	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0.466B	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.306B	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0.150B	0	0	---	---	---	---	---	---	7
8	---	---	0 B	0.147	0.183	0	---	---	---	---	---	---	8
9	---	---	0 B	0.102	0.051	0	---	---	---	---	---	---	9
10	---	---	0 B	0.066	0.036	0	---	---	---	---	---	---	10
11	---	---	0 B	0.032	0.021	0	---	---	---	---	---	---	11
12	---	---	0 B	0.014	0.013	0	---	---	---	---	---	---	12
13	---	---	0 B	0.005B	0.012	0	---	---	---	---	---	---	13
14	---	---	0 B	0.003B	0.006	0	---	---	---	---	---	---	14
15	---	---	0 B	0.001B	0.005	0	---	---	---	---	---	---	15
16	---	---	0 B	0	0.003	0	---	---	---	---	---	---	16
17	---	---	0 B	0	0.001	0	---	---	---	---	---	---	17
18	---	---	0 B	0	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0	0	---	---	---	---	---	---	20
21	---	---	0 B	0	0	0	---	---	---	---	---	---	21
22	---	---	0 B	0	0	0	---	---	---	---	---	---	22
23	---	---	0.113B	0	0	0	---	---	---	---	---	---	23
24	---	---	0.013B	0	0	0	---	---	---	---	---	---	24
25	---	---	0.002B	0	0	0	---	---	---	---	---	---	25
26	---	---	0 B	0	0	0	---	---	---	---	---	---	26
27	---	---	0 B	0	0	0	---	---	---	---	---	---	27
28	---	---	0 B	0	0	0	---	---	---	---	---	---	28
29	---	---	0 B	0	0	0	---	---	---	---	---	---	29
30	---		0 B	0	0	0	---	---	---	---	---	---	30
31	---		0 B		0		---	---		---		---	31
TOTAL	---	---	0.127	6.148	0.331	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.004	0.205	0.011	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.113	2.15	0.183	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.054
MAXIMUM DAILY, 2.15B ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.59B AT 16:02 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 54 N
LONG 98 00 20 W
DRAINAGE AREA, 404 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	11.0	SEP	---
APR	531	OCT	---
MAY	28.6	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 571 dam³

SPINETTE CREEK NEAR CARBERRY - STATION NO. 05MH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0008	0.0888	0	0	0	0	0	0	---	---	1
2	---	---	0.0808	0.0748	0	0	0	0	0	0	---	---	2
3	---	---	0.0008	0.0888	0	0	0	0	0	0	---	---	3
4	---	---	0.0808	0.0778	0	0	0	0	0	0	---	---	4
5	---	---	0.0828	0.0888	0	0	0	0	0	0	---	---	5
6	---	---	0.0888	0.030	0	0	0	0	0	0	---	---	6
7	---	---	0.0888	0.035	0	0	0.001	0	0	0	---	---	7
8	---	---	0.0708	0.016	0	0	0.002	0	0	0	---	---	8
9	---	---	0.1008	0.017	0	0	0.001	0	0	0	---	---	9
10	---	---	0.1028	0.016	0	0	0.001	0	0	0	---	---	10
11	---	---	0.0878	0.010	0	0	0.002	0	0	0.001	---	---	11
12	---	---	0.0728	0.006	0	0	0.003	0	0	0.001	---	---	12
13	---	---	0.0753	0.001	0	0	0.010	0	0	0.001	---	---	13
14	---	---	0.0708	0	0	0	0.005	0	0	0.002	---	---	14
15	---	---	0.0788	0	0	0	0.002	0	0	0.003	---	---	15
16	---	---	0.0748	0	0	0	0	0	0	0.004	---	---	16
17	---	---	0.0888	0	0	0	0	0	0	0.004	---	---	17
18	---	---	0.0878	0	0	0	0	0	0	0.005	---	---	18
19	---	---	0.0838	0	0	0	0	0	0	0.006	---	---	19
20	---	---	0.0838	0	0	0	0	0	0	0.006	---	---	20
21	---	---	0.0888	0	0	0	0	0	0	0.006	---	---	21
22	---	---	0.0868	0	0	0	0	0	0	0.007	---	---	22
23	---	---	0.0818	0	0	0	0	0	0	0.006	---	---	23
24	---	---	0.0888	0	0	0	0	0	0	0.008	---	---	24
25	---	---	0.1078	0	0	0	0	0	0	0.008	---	---	25
26	---	---	0.0818	0	0	0	0	0	0	0.008	---	---	26
27	---	---	0.0888	0	0	0	0	0	0	0.008	---	---	27
28	---	---	0.0788	0	0	0	0	0	0	0.007	---	---	28
29	---	---	0.0748	0	0	0	0	0	0	0.006	---	---	29
30	---		0.0888	0	0	0	0	0	0	0.006	---	---	30
31	---		0.0718		0		0	0		0.008		---	31
TOTAL	---	---	2.329	0.808	0	0	0.027	0	0	0.112	---	---	TOTAL
MEAN	---	---	0.075	0.017	0	0	0.001	0	0	0.004	---	---	MEAN
MAX	---	---	0.108	0.088	0	0	0.010	0	0	0.008	---	---	MAX
MIN	---	---	0.080	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.1088 ON MAR 8
MINIMUM DAILY, 0 ON APR 14
MAXIMUM INSTANTANEOUS,
0.1888 AT 01:04 CST ON APR 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 26 N
LONG 99 19 50 W
DRAINAGE AREA, 398 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.33
FEB	---	AUG	0
MAR	201	SEP	0
APR	43.8	OCT	9.66
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 257 dam³

FAIRFORD RIVER NEAR FAIRFORD - STATION NO. 05LM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	36.00	36.60	34.00	38.6	32.1	160	106	26.6	13.6	12.6	9.82	15.6	1
2	36.40	36.30	34.60	39.3	33.1	158	107	23.2	12.8	11.8	9.66	15.4	2
3	36.20	36.20	35.00	41.2	30.4	154	106	26.6	12.2	10.3	9.60	15.2	3
4	36.40	36.60	36.30	42.7	17.6	153	96.6	25.6	11.2	10.4	9.46	15.2	4
5	36.30	36.60	35.40	40.6	17.0	156	90.1	23.0	11.4	11.2	9.26	15.3	5
6	36.30	37.00	35.00	38.2	25.4	160	90.3	16.6	12.3	11.6	9.24	15.1	6
7	36.20	37.20	35.60	38.3	39.0	164	106	17.6	14.3	11.4	9.66	15.2	7
8	36.20	37.10	36.0	37.6	34.6	162	98.4	16.6	16.1	11.2	9.61	15.66	8
9	36.20	36.00	36.30	40.2	167	76.6	17.1	13.6	11.1	9.90	15.76	9
10	36.10	37.10	36.3	38.7	40.0	160	63.2	16.9	11.0	10.2	9.76	16.10	10
11	36.00	37.30	36.60	38.6	42.4	169	63.3	15.3	10.6	10.1	9.809	16.00	11
12	36.10	37.40	36.40	39.1	63.2	163	60.3	14.6	10.6	10.7	9.868	16.20	12
13	36.30	37.10	36.30	36.0	116	142	60.0	15.3	11.7	11.0	9.700	14.40	13
14	37.40	36.40	36.10	33.0	157	135	60.6	15.1	11.6	11.6	9.76	14.60	14
15	36.70	37.10	36.0	16.4	134	122	60.6	16.2	12.4	11.5	9.63	15.40	15
16	36.10	37.70	36.1	16.5	148	143	71.0	13.6	12.6	11.0	9.60	15.00	16
17	35.00	36.40	36.2	14.4	150	151	71.3	12.6	12.6	10.6	11.0	14.60	17
18	34.40	36.40	36.2	14.6	151	148	67.6	13.6	11.6	10.4	14.0	14.30	18
19	34.40	34.80	36.6	16.1	156	148	64.4	14.6	10.3	10.3	14.5	14.00	19
20	33.80	34.30	36.4	14.9	151	144	62.6	16.1	9.91	11.3	14.7	13.76	20
21	34.00	34.30	36.7	15.1	151	136	65.2	14.6	11.1	10.2	15.0	13.76	21
22	34.40	35.00	36.6	15.3	154	130	64.3	16.6	12.3	12.4	15.0	13.76	22
23	33.66	36.66	36.0	15.7	141	133	36.6	16.6	12.3	9.66	14.6	13.76	23
24	33.60	36.00	36.6	16.4	147	127	34.0	16.7	11.7	9.27	15.0	13.76	24
25	34.10	34.60	36.1	16.3	157	131	33.7	13.3	11.2	9.61	15.0	13.76	25
26	34.60	34.40	37.2	15.7	156	136	33.0	13.3	11.1	9.42	15.0	13.66	26
27	34.70	34.40	36.1	16.6	154	134	33.6	11.6	11.0	9.64	14.6 B	13.40	27
28	34.70	34.30	36.6	16.1	163	127	33.6	11.6	11.6	9.36	14.6 B	13.60	28
29	33.66	33.60	36.1	16.0	166	136	30.0	11.6	12.2	9.76	15.2 B	13.66	29
30	33.66		36.0	36.0	166	126	28.7	13.4	12.6	9.67	15.4 B	14.00	30
31	36.10		37.0		164		26.6	13.2		9.67		13.66	31
TOTAL	1 066.0	1 047.4	1 116.7	716.7	3 263.7	4 322	2 023.4	606.4	359.61	324.66	368.01	460.4	TOTAL
MEAN	36.3	36.1	36.0	23.6	105	144	66.3	16.3	12.0	10.6	11.6	14.6	MEAN
MAX	37.4	36.6	36.1	42.7	164	160	107	26.6	16.1	12.4	15.4	16.7	MAX
MIN	33.6	33.6	34.0	14.4	17.6	127	26.7	11.6	9.91	9.36	9.62	13.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 42.6
MAXIMUM DAILY, 164 ON MAY 31
MINIMUM DAILY, 9.36 ON OCT 28
MAXIMUM INSTANTANEOUS,
173 AT 17:56 CST ON MAY 17

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 36 00 N
LONG 98 42 15 W
DRAINAGE AREA, 80 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1934

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	94 800	JUL	175 000
FEB	90 500	AUG	43 700
MAR	96 400	SEP	31 100
APR	61 900	OCT	28 000
MAY	281 000	NOV	30 800
JUN	373 000	DEC	39 800

TOTAL DISCHARGE, 1 350 000 dam³

FALCON LAKE NEAR FALCON LAKE - STATION NO. 05PD801

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	324.732E	324.780	324.688	324.687	324.747E	324.671E	324.628E	---	1
2	---	---	---	---	324.732	324.780E	324.685E	324.687	324.747	324.668	324.627E	---	2
3	---	---	---	---	324.727E	324.780	324.681E	324.687	324.740E	324.681E	324.627E	---	3
4	---	---	---	---	324.722	324.747E	324.686	324.687	324.734E	324.659	324.629	---	4
5	---	---	---	---	324.727E	324.745E	324.738E	324.647	324.727	324.651E	324.624E	---	5
6	---	---	---	---	324.732	324.742E	324.767	324.644E	324.722E	324.648	324.621E	---	6
7	---	---	---	---	324.735E	324.740	324.622E	324.640E	324.717	324.648E	324.618E	---	7
8	---	---	---	324.720	324.739E	324.740E	324.687	324.627	324.712E	324.648E	324.618	---	8
9	---	---	---	324.721E	324.742	324.738	324.684E	324.632E	324.707	324.648E	324.618E	---	9
10	---	---	---	324.722E	324.742E	324.739E	324.670E	324.627	324.708E	324.648	324.618	---	10
11	---	---	---	324.722E	324.742	324.738	324.677	324.622E	324.702E	324.648E	324.618	---	11
12	---	---	---	324.723E	324.747E	324.738E	324.687	324.617	324.700E	324.648	324.618E	---	12
13	---	---	---	324.724E	324.781	324.738	324.677	324.614E	324.687	324.648E	324.618E	---	13
14	---	---	---	324.726	324.781E	324.738E	324.677E	324.610E	324.687	324.648	324.618	---	14
15	---	---	---	324.726E	324.781E	324.738E	324.677	324.607	324.687E	324.643E	324.613E	---	15
16	---	---	---	324.728E	324.781E	324.738	324.674E	324.604E	324.687	324.638E	324.608E	---	16
17	---	---	324.682	324.728E	324.781	324.738E	324.670E	324.600E	324.687E	324.638	324.608	---	17
18	---	---	---	324.731E	324.748E	324.732E	324.667	324.787	324.688E	324.638E	324.608E	---	18
19	---	---	---	324.732	324.744E	324.728	324.667E	324.787	324.688	324.638	324.608E	---	19
20	---	---	---	324.731E	324.741	324.728	324.667	324.784E	324.688	324.638E	324.608E	---	20
21	---	---	---	324.710	324.741E	324.728E	324.667E	324.780?	324.688	324.638E	324.608	---	21
22	---	---	---	324.723	324.741E	324.722E	324.667	324.787	324.688E	324.634E	324.608E	---	22
23	---	---	---	324.732E	324.741	324.718	324.663E	324.782E	324.688	324.634E	324.608E	---	23
24	---	---	---	324.732E	324.741E	324.718E	324.667	324.777	324.683E	324.633E	324.608	---	24
25	---	---	---	324.732	324.741	324.713E	324.667E	324.787E	324.679E	324.632E	324.608E	---	25
26	---	---	---	324.732E	324.743E	324.711E	324.667	324.787	324.678	324.632E	324.608E	---	26
27	---	---	---	324.732	324.744E	324.708	324.680E	324.784E	324.679E	324.631E	324.608E	---	27
28	---	---	---	324.732E	324.748E	324.708E	324.664E	324.780E	324.676	324.631E	324.608E	---	28
29	---	---	---	324.732	324.747E	324.708	324.667	324.747	324.679E	324.630E	324.608E	---	29
30	---		---	324.732E	324.748E	324.703E	324.667E	324.747E	324.676	324.628E	324.608E	---	30
31	---		---		324.780		324.667E	324.747		324.628E		---	31
MEAN	---	---	---	---	324.742	324.731	324.687	324.685	324.701	324.642	324.613	---	MEAN
MAX	---	---	---	---	324.781	324.780	324.687	324.687	324.747	324.671	324.628	---	MAX
MIN	---	---	---	---	324.722	324.703	324.668	324.747	324.676	324.628	324.608	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 324.687 ON JUL 12

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 45 N
LONG 95 18 45 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1983

DRAINAGE AREA,
113 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1983 ADJ.)

FAMILY LAKE AT LITTLE GRAND RAPIDS - STATION NO. 05RD008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	303.708	303.708	303.740	303.808	304.138	304.381	304.218	303.864	303.678	303.787	303.787	1
2	---	303.708	303.711	303.737	303.814	304.138	304.367	304.206	303.878	303.678	303.782	303.787	2
3	---	303.704	303.711	303.737	303.818	304.144	304.383	304.209	303.870	303.668	303.782	303.788	3
4	---	303.704	303.708	303.742	303.808	304.148	304.385	304.181	303.868	303.667	303.774	303.781	4
5	---	303.708	303.708	303.783	303.811	304.188	304.380	304.184	303.868	303.672	303.778	303.781	5
6	---	303.708	303.708	303.788	303.820	304.188	304.387	304.178	303.868	303.667	303.778	303.782	6
7	---	303.708	303.708	303.781	303.833	304.188	304.408	304.188	303.862	303.667	303.772	303.788	7
8	---	303.704	303.704	303.788	303.855	304.187	304.404	304.148	303.847	303.668	303.772	303.788	8
9	---	303.704	303.704	303.778	303.878	304.188	304.388	304.144	303.838	303.662	303.772	303.800	9
10	---	303.708	303.700	303.782	303.884	304.182	304.388	304.138	303.822	303.638	303.770	303.803	10
11	---	303.702	303.687	303.784	304.002	304.182	304.388	304.118	303.813	303.633	303.768	303.804	11
12	---	303.702	303.687	303.782	304.008	304.203	304.388	304.108	303.820	303.638	303.788	303.811	12
13	---	303.703	303.687	303.787	304.030	304.208	304.372	304.105	303.818	303.638	303.788	303.814	13
14	---	303.708	303.688	303.804	304.038	304.208	304.373	304.101	303.814	303.631	303.787	303.815	14
15	---	303.708	303.687	303.808	304.021	304.223	304.377	304.098	303.818	303.628	303.788	303.818	15
16	---	303.710	303.688	303.818	304.038	304.248	304.378	304.080	303.809	303.618	303.788	303.821	16
17	---	303.707	303.686	303.822	304.051	304.268	304.371	304.082	303.810	303.611	303.772	303.825	17
18	---	303.707	303.687	303.828	304.058	304.274	304.363	304.088	303.807	303.611	303.774	303.827	18
19	---	303.710	303.685	303.834	304.053	304.308	304.358	304.081	303.802	303.608	303.774	303.828	19
20	303.868A	303.711	303.683	303.838	304.059	304.308	304.348	304.040	303.809	303.620	303.774	303.830	20
21	303.704	303.710	303.684	303.843	304.072	304.320	304.343	304.037	303.808	303.601	303.773	303.835	21
22	303.708	303.713	303.688	303.848	304.080	304.318	304.338	304.042	303.810	303.613	303.772	303.838	22
23	303.708	303.714	303.686	303.852	304.072	304.230	304.327	304.031	303.810	303.608	303.771	303.844	23
24	303.708	303.712	303.687	303.860	304.079	304.344	304.304	304.018	303.807	303.788	303.772	303.851	24
25	303.708	303.711	303.723	303.863	304.087	304.344	304.288	304.008	303.804	303.782	303.778	303.854	25
26	303.708	303.711	303.732	303.868	304.086	304.358	304.283	304.008	303.800	303.785	303.780	303.855	26
27	303.708	303.708	303.732	303.878	304.087	304.368	304.278	304.008	303.888	303.788	303.778	303.857	27
28	303.708	303.708	303.732	303.884	304.108	304.388	304.288	304.000	303.888	303.787	303.780	303.852	28
29	303.704	303.708	303.737	303.888	304.107	304.373	304.283	303.998	303.887	303.782	303.783	303.884	29
30	303.702		303.740	303.884	304.118	304.378	304.241	303.997	303.883	303.780	303.788	303.887	30
31	303.707		303.738		304.131		304.233	303.987		303.788		303.871	31
MEAN	---	303.707	303.708	303.812	304.024	304.250	304.345	304.087	303.832	303.628	303.778	303.823	MEAN
MAX	---	303.714	303.740	303.884	304.131	304.378	304.408	304.218	303.884	303.678	303.788	303.871	MAX
MIN	---	303.702	303.683	303.737	303.808	304.138	304.233	303.987	303.862	303.787	303.788	303.787	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 304.408 ON JUL 7
MINIMUM DAILY, 303.683 ON MAR 20
MAXIMUM INSTANTANEOUS,
304.418 AT 18:38 CST ON JUL 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 30 N
LONG 98 37 30 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

FISH LAKE AT OUTLET CONTROL STRUCTURE - STATION NO. 05EB003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	289.481E	289.622	289.786	289.645	289.442	289.288	289.188	289.132	289.078A	---	1
2	---	---	289.481A	289.670	289.784	289.576	289.440	289.282	289.181	289.127	---	---	2
3	---	---	289.488	289.688	289.778	289.571	289.428	289.288	289.187	289.124	---	---	3
4	---	---	289.488	289.696	289.711	289.563	289.424	289.280	289.148	289.122	---	---	4
5	---	---	289.484	289.699	289.667	289.558	289.438	289.282	289.138	289.118	---	---	5
6	---	---	289.482	289.811	289.816A	289.547	289.448	289.281A	289.128	289.118	---	---	6
7	---	---	289.482	289.637	289.801	289.541	289.478	289.280	289.118	289.118	---	---	7
8	---	---	289.482	289.663	289.808	289.527	289.467	289.261	289.118	289.114	---	---	8
9	---	---	289.471	289.673	289.802	289.522	289.458	289.274	289.104	289.118	---	---	9
10	---	---	289.467	289.886	289.863	289.518	289.453	289.285	289.097	289.108	---	---	10
11	---	---	289.488	289.718	289.886	289.511	289.447	289.259	289.120	289.103	---	---	11
12	---	---	289.478	289.736	289.882	289.506	289.438	289.280	289.127	289.101	---	---	12
13	---	---	289.480	289.748	289.887	289.488	289.446	289.246	289.140	289.098	---	---	13
14	---	---	289.478	289.757	289.810A	289.481	289.438	289.242	289.138	289.086	---	---	14
15	---	---	289.480	289.783	289.802	289.487	289.434	289.238	289.138	289.087	---	---	15
16	---	---	289.478	289.778	289.486	289.488	289.428	289.229	289.135	289.085	---	---	16
17	---	---	289.481	289.761	289.488	289.485	289.431	289.223	289.138	289.083	---	---	17
18	---	---	289.473	289.788	289.488	289.480	289.426	289.216	289.127	289.082	---	---	18
19	---	---	289.488	289.784	289.484	289.485	289.421	289.232A	289.148	289.080	---	---	19
20	---	---	289.484	289.786	289.487	289.473	289.423	289.236	289.148	289.088	---	---	20
21	---	---	289.484	289.801	289.806	289.467	289.436	289.228	289.180	289.087	---	---	21
22	---	---	289.486	289.803	289.800	289.488	289.417	289.230	289.162	289.082	---	---	22
23	---	---	289.483	289.806	289.498	289.447	289.408	289.222	289.180	289.084	---	---	23
24	---	---	289.504	289.803	289.491	289.467	289.408	289.214	289.148	289.081	---	---	24
25	---	---	289.520	289.811	289.486	289.483	289.388	289.204	289.145	289.078	---	---	25
26	---	---	289.514	289.810	289.483	289.475	289.381	289.183	289.144	289.074	---	---	26
27	---	---	289.510	289.808	289.487	289.488	289.348	289.182	289.141	289.078	---	---	27
28	---	---	289.510	289.810	289.806	289.488	289.331	289.193	289.136	289.082	---	---	28
29	---	---	289.508	289.804	289.834	289.481	289.318	289.167	289.137	289.078	---	---	29
30	---		289.503	289.788	289.838	289.447	289.308	289.180	289.137	289.078	---	---	30
31	---		289.500		289.838		289.302	289.172		289.077		---	31
MEAN	---	---	289.480	289.728	289.801	289.501	289.414	289.238	289.138	289.094	---	---	MEAN
MAX	---	---	289.520	289.811	289.784	289.576	289.478	289.286	289.188	289.132	---	---	MAX
MIN	---	---	289.468	289.622	289.667	289.447	289.302	289.172	289.097	289.074	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 289.811 ON APR 25
MINIMUM DAILY, 289.074 ON OCT 26
MAXIMUM INSTANTANEOUS,
289.819 AT 15:48 CST ON APR 25

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 45 N
LONG 97 18 08 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1965

FISH LAKE DRAIN NEAR CAMP MORTON - STATION NO. 05EB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0088	0	0.003	0	0	0	0	---	---	1
2	---	---	0B	0.4278	0	0.008	0	0	0	0	---	---	2
3	---	---	0B	1.88 B	0	0.006A	0	0	0	0	---	---	3
4	---	---	0B	1.48 B	0.180	0.001A	0	0	0	0	---	---	4
5	---	---	0B	1.01 B	0.334	0	0	0	0	0	---	---	5
6	---	---	0B	1.18 B	0.288	0	0	0	0	0	---	---	6
7	---	---	0B	0.4288	0.262	0	0.004A	0	0	0	---	---	7
8	---	---	0B	0.2528	0.262	0	0.003	0	0	0	---	---	8
9	---	---	0B	0.1488	0.251	0	0.001	0	0	0	---	---	9
10	---	---	0B	0.0988	0.230	0	0	0	0	0	---	---	10
11	---	---	0B	0.0638	0.212	0	0	0	0.002A	0	---	---	11
12	---	---	0B	0.1488	0.188	0	0	0	0.001A	0	---	---	12
13	---	---	0B	0.0848	0.100	0	0 A	0	0 A	0	---	---	13
14	---	---	0B	0.0378	0.128	0	0	0	0	0	---	---	14
15	---	---	0B	0.0228	0.110	0	0 A	0	0	0	---	---	15
16	---	---	0B	0.0188	0.084	0	0 A	0	0	0	---	---	16
17	---	---	0B	0.0158	0.078	0	0 A	0	0	0	---	---	17
18	---	---	0B	0.0138	0.088	0	0	0	0 A	0	---	---	18
19	---	---	0B	0.0208	0.084	0	0 A	0	0 A	0	---	---	19
20	---	---	0B	0.0178	0.088	0	0 A	0	0	0	---	---	20
21	---	---	0B	0.007	0.048	0	0.003A	0	0	0	---	---	21
22	---	---	0B	0.006	0.038	0	0.003	0	0	0	---	---	22
23	---	---	0B	0.003	0.032	0	0.002	0	0	0	---	---	23
24	---	---	0B	0.002	0.027	0	0.001	0	0	0	---	---	24
25	---	---	0B	0.002	0.034	0	0	0	0	0	---	---	25
26	---	---	0B	0.001	0.030	0	0	0	0	0	---	---	26
27	---	---	0B	0	0.020	0	0	0	0	0	---	---	27
28	---	---	0B	0	0.047	0	0	0	0	0	---	---	28
29	---	---	0B	0	0.048	0	0	0	0	0	---	---	29
30	---		0B	0	0.014	0	0	0	0	0	---	---	30
31	---		0B		0.004		0	0		0		---	31
TOTAL	---	---	0	7.288	3.315	0.014	0.015	0	0.003	0	---	---	TOTAL
MEAN	---	---	0	0.243	0.104	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.88	0.334	0.008	0.004	0	0.002	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.043
MAXIMUM DAILY, 1.88B ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 11 N
LONG 97 01 03 W
DRAINAGE AREA, 833 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1965

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1.30
FEB	---	AUG	0
MAR	0	SEP	0.26
APR	630	OCT	0
MAY	278	NOV	---
JUN	1.21	DEC	---

TOTAL DISCHARGE, 911 dam³

FISHER RIVER NEAR DALLAS - STATION NO. 05UE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1008	0.1018	0.1108	0.2318	1.03	0.728	0.328A	0.170	0.176	0.148	0.177	0.151	1
2	0.1078	0.1028	0.1128	0.4098	1.28	0.827	0.263A	0.148	0.156	0.146	0.166	0.138	2
3	0.1578	0.1068	0.1178	1.76 B	2.04	0.638	0.263A	0.147	0.156	0.143	0.214	0.132	3
4	0.1328	0.1078	0.1188	11.0 B	2.43	0.726	0.233A	0.136	0.142	0.147	0.223	0.128	4
5	0.1088	0.1108	0.1238	18.9 B	2.19	0.638	0.241	0.132	0.142	0.143	0.223	0.128	5
6	0.1008	0.1128	0.1368	17.4 B	1.87	0.988A	0.230	0.142	0.143	0.142	0.222	0.127	6
7	0.0988	0.1108	0.1538	13.1 B	2.38	0.859	0.250	0.174	0.140	0.142	0.223	0.126	7
8	0.1038	0.1078	0.1588	8.35 B	5.83	0.484	0.264	0.198	0.141	0.144	0.224	0.133	8
9	0.0978	0.1078	0.1788	6.04 B	12.6	0.368	0.263	0.148	0.134	0.147	0.198	0.135	9
10	0.0958	0.1038	0.1978	4.48	11.2	0.348	0.248	0.120	0.143	0.140	0.190	0.128	10
11	0.0928	0.0998	0.2148	3.96	8.18	0.318	0.288	0.108	0.181	0.143	0.184	0.107	11
12	0.0878	0.0958	0.2008	3.25	7.48	0.308	0.268	0.103	0.234	0.141	0.178	0.098	12
13	0.0778	0.0958	0.1688	2.75	8.87	0.324	0.260	0.138	0.228	0.138	0.178	0.094	13
14	0.0738	0.0948	0.1628	1.99	8.84	0.374	0.288	0.135	0.231	0.138	0.178	0.088	14
15	0.0748	0.0988	0.1728	1.68	6.84	0.268	0.280	0.140	0.231	0.138	0.178	0.097	15
16	0.0818	0.0878	0.1788	1.30	6.44	0.263	0.285	0.138	0.213	0.137	0.173	0.093	16
17	0.0888	0.0888	0.1688	1.08	3.90	0.316	0.258	0.138	0.208	0.144	0.177	0.090	17
18	0.0868	0.0888	0.1788	0.971	3.38	0.320	0.240	0.138	0.186	0.163	0.178	0.088	18
19	0.0878	0.0888	0.1788	0.826	2.77	0.316	0.221	0.131	0.182	0.158	0.178	0.090	19
20	0.0858	0.0868	0.1788	0.727	2.37	0.276	0.218	0.130	0.183	0.164	0.171	0.091	20
21	0.0788	0.0908	0.1888	0.647	2.08	0.281	0.210	0.148	0.184	0.185	0.188	0.090	21
22	0.0788	0.0908	0.1808	0.594	1.70	0.273	0.200	0.184	0.174	0.180	0.183	0.090	22
23	0.0818	0.0938	0.1678	0.574	1.40 A	0.258	0.188	0.218	0.170	0.178	0.183	0.084	23
24	0.0778	0.0888	0.2208	0.588	1.18	0.288	0.184	0.222	0.177	0.187	0.183	0.088	24
25	0.0768	0.0858	0.2008	0.822	0.987	0.388	0.182	0.213	0.180	0.184	0.181	0.101	25
26	0.0808	0.0848	0.2588	1.18	0.881	0.417	0.177	0.211	0.207	0.185	0.187	0.102	26
27	0.0838	0.0878	0.2808	1.35	0.870	0.483	0.173	0.213	0.184	0.188	0.188	0.102	27
28	0.0808	0.0908	0.2488	1.38	0.848	0.436	0.170	0.215	0.181	0.185	0.181	0.103	28
29	0.0888	0.1068	0.2488	1.36	0.828	0.418	0.181	0.211	0.180	0.185	0.182	0.101	29
30	0.0888		0.2418	1.12	0.843	0.383	0.188	0.184	0.181	0.180	0.181	0.098	30
31	0.0878		0.2388		0.811		0.172	0.184		0.178		0.100	31
TOTAL	3.008	2.788	5.738	108.080	106.408	12.748	7.188	4.858	5.357	4.788	5.448	3.348	TOTAL
MEAN	0.087	0.098	0.188	3.84	3.41	0.428	0.231	0.188	0.178	0.154	0.181	0.108	MEAN
MAX	0.180	0.112	0.300	18.8	12.6	0.827	0.328	0.222	0.234	0.180	0.224	0.151	MAX
MIN	0.073	0.084	0.110	0.231	0.811	0.261	0.151	0.102	0.134	0.138	0.151	0.088	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.728
MAXIMUM DAILY, 18.88 ON APR 5
MINIMUM DAILY, 0.0738 ON JAN 14
MAXIMUM INSTANTANEOUS,
20.88 AT 13:28 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 30 N
LONG 97 30 50 W
DRAINAGE AREA, 1 710 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	280	JUL	619
FEB	242	AUG	426
MAR	496	SEP	483
APR 5	430	OCT	411
MAY 5	140	NOV	470
JUN 1	100	DEC	289

TOTAL DISCHARGE, 23 300 dam³

FOOTPRINT LAKE AT NELSON HOUSE - STATION NO. 05YF001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	243.436	243.687	243.483	---	---	242.788	242.883	242.880	242.858	243.612	242.836	242.788	1
2	243.436	243.681	243.486	---	242.828A	242.788	242.882	242.884	242.880	243.388	243.832	242.788	2
3	243.436	243.682	243.483	---	242.888	242.783A	242.888	242.870	243.026	243.386	242.831	242.747	3
4	243.418	243.681	243.440	---	242.883	242.780E	242.886	242.876	243.082	243.338	242.830	242.740	4
5	243.408	243.686	243.434	---	243.711	242.788E	242.851	242.878	243.081	243.303	242.832	242.732	5
6	243.418	243.877	243.427	---	242.783	242.802E	242.839	242.883	243.133	243.273	242.830	242.723	6
7	243.438	243.888	243.414	---	242.787	242.813E	242.851	242.888	243.148	243.242	242.826	242.710	7
8	243.437	243.700	243.408	---	242.838	242.830E	242.851	242.886	243.188	243.210	242.834	242.883	8
9	243.458	243.713	243.392	---	242.880	242.838E	242.837	242.884	243.213	243.183	242.837	242.873	9
10	243.488	243.727	243.377	---	242.874	242.833E	242.837	242.911	243.233	243.188	242.837	242.883	10
11	243.472	243.732	243.347	---	242.880	242.838E	242.833	242.916	243.248	243.135	243.838	243.835	11
12	243.478	243.744	243.286	---	242.878	242.836E	242.818	242.827	243.268	243.113	242.836	243.827	12
13	243.488	243.748	243.248	---	242.874	242.837A	242.487	242.832	243.288	243.088	242.841	242.828	13
14	243.508	243.737	243.202	---	242.858	242.836	242.487	242.833	243.300	243.084	242.844	242.817	14
15	243.522	243.728	243.188	---	242.851	242.832	242.483E	242.834	243.318	243.074	242.841	242.807	15
16	243.548	243.720	243.138	---	242.840	242.821	242.480E	242.832	243.328	243.058	242.838	242.808	16
17	243.582	243.710	243.140A	---	242.825	242.788	242.488E	242.834	243.340	243.042	242.838	242.810	17
18	243.574	243.700	---	---	242.813	242.778	242.817E	242.832	243.348	243.028	242.838	242.820	18
19	243.593	243.672	---	---	242.788	242.778	242.840E	242.828	243.349	243.018	242.838	242.828	19
20	243.608	243.647	---	---	242.777	242.774	242.868E	242.828	243.381	243.004	242.838	242.834	20
21	243.621	243.632	---	---	242.781	242.783	242.800E	242.830	243.388	243.004	242.838	242.842	21
22	243.624	243.607	---	---	242.738	242.737	242.826A	242.845	243.387	242.990	242.838	242.852	22
23	243.637	243.580	---	---	242.717	242.718	242.880E	242.848	243.388	242.988	242.841	242.863	23
24	243.643	243.588	---	---	242.682	242.702	242.717	242.848	243.404	242.984	242.833	242.888	24
25	243.648	243.539	---	---	242.687	242.882	242.738	242.848	243.404	242.988	242.813	242.887	25
26	243.658	243.535	---	---	243.887	242.678	242.787	242.841	243.403	242.978	242.868	242.888	26
27	243.658	243.521	---	---	242.784	242.887	242.777	242.838	243.411	242.982	242.881	242.878	27
28	243.671	243.511	---	---	243.709	242.838	242.788	242.830	243.408	242.868	242.832	242.872	28
29	243.671	243.493	---	---	243.722	242.820	242.802	242.837	243.418	242.866	242.807	242.864	29
30	243.668		---	---	242.734	242.808	242.817	242.828	243.423	242.838	242.781	242.858	30
31	243.671		---		242.737		242.843	242.833		242.831		242.888	31
MEAN	243.843	243.882	---	---	---	242.784	242.808	242.818	243.273	243.103	242.818	242.888	MEAN
MAX	243.671	243.748	---	---	---	242.837	242.843	242.848	243.423	243.412	242.844	242.788	MAX
MIN	243.408	243.493	---	---	---	242.808	242.483	242.880	242.888	242.831	242.781	242.808	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 243.748 ON FEB 13

MAXIMUM INSTANTANEOUS,
243.748 AT 15:40 CST ON FEB 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 48 00 N
LONG 98 51 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

DRAINAGE AREA,
1 440 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

FOOTPRINT RIVER ABOVE FOOTPRINT LAKE - STATION NO. 08TF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.81E	1.82E	1.83E	1.83	3.67	8.04	4.35	2.16	0.833	0.571	0.631	1.14	1
2	1.86E	1.82E	1.83E	1.86	5.36	7.68	4.26	2.07	0.883	0.566	0.678	1.16	2
3	1.86E	1.81E	1.83E	1.86	6.57	7.82	4.24	2.01	1.00	0.577	0.707	1.20	3
4	1.84E	1.80E	1.83E	1.82	7.44	8.06	4.26	1.92	0.950	0.532	0.710	1.20	4
5	1.84E	1.80E	1.83E	1.86	7.86	8.11	4.07	1.84	0.884	0.480	0.718	1.21	5
6	1.83A	1.80E	1.83E	1.87	8.30	8.16	3.81	1.85	0.780	0.487	0.734	1.24	6
7	1.78	1.80E	1.83E	1.87	8.62	8.16	3.86	2.02	0.704	0.506	0.757	1.25	7
8	1.75	1.80E	1.83E	1.88	8.16	7.97	3.86	1.72	0.729	0.530	0.788	1.25	8
9	1.74	1.80E	1.83E	1.81	8.84	7.83	4.29	1.70	0.818	0.554	0.800	1.25	9
10	1.77	1.80E	1.83E	1.83	10.0	7.47	4.28	1.80	0.814	0.533	0.808	1.26	10
11	1.76A	1.80E	1.83E	1.85	10.2	7.46	4.02	1.81	0.775	0.592	0.818	1.27	11
12	1.73E	1.80E	1.83E	1.91	10.8	7.33	3.83	1.73	0.708	0.523	0.834	1.32	12
13	1.72E	1.84E	1.83E	1.92	10.7	7.14	3.86	1.87	0.757	0.502	0.852	1.33	13
14	1.71E	1.87E	1.83E	1.94	10.6	6.86	3.82	1.85	0.723	0.504	0.866	1.34	14
15	1.71E	1.87E	1.83E	1.98	10.8	6.84	3.40	1.84	0.704	0.476	0.888	1.34E	15
16	1.70E	1.87E	1.81E	1.97	10.4	6.12	3.36	1.68	0.646	0.451	0.873	1.34E	16
17	1.70E	1.87E	1.81E	1.96	10.3	6.08	3.29	1.46	0.731	0.464	0.895	1.35E	17
18	1.88E	1.88E	1.81E	1.96	10.2	6.04	3.22	1.42	0.684	0.523	0.913	1.38E	18
19	1.88E	1.88E	1.81E	1.88	10.3	6.14	3.33	1.38	0.674	0.522	0.931	1.37E	19
20	1.87E	1.88E	1.81E	1.98	9.92	6.18	3.18	1.34	0.647	0.883	0.952	1.38E	20
21	1.87E	1.88E	1.81E	1.98	9.81	6.21	3.13	1.28	0.694	0.826	0.988	1.38E	21
22	1.87E	1.88E	1.80E	1.98	9.78	6.98	2.92	1.28	0.812	0.897	0.987	1.38E	22
23	1.88E	1.85E	1.80E	1.98	9.80	6.72	2.80	1.28	0.643	0.896	0.882	1.38E	23
24	1.85E	1.84E	1.80E	1.98	9.87	6.84	2.88	1.28	0.678	0.803	1.04	1.38E	24
25	1.84E	1.84E	1.80A	2.00	9.08	6.81	2.88	1.28	0.881	0.803	1.03	1.38E	25
26	1.84E	1.84E	1.48	2.01	9.08	6.42	2.82	1.24	0.848	0.805	1.04	1.38E	26
27	1.83E	1.83E	1.48	2.04	8.84	6.38	2.34	1.28	0.832	0.815	1.06	1.38E	27
28	1.83E	1.83E	1.80	2.07	8.84	6.20	2.30	1.16	0.806	0.813	1.06	1.40E	28
29	1.83E	1.83E	1.85	2.27	8.88	4.80	2.22	1.02	0.880	0.813	1.08	1.41E	29
30	1.82E		1.85	2.85	8.46	4.40	2.07	0.885	0.830	0.818	1.10	1.42E	30
31	1.82E		1.82		8.28		2.11	0.818		0.833		1.42E	31
TOTAL	53.40	48.67	48.87	58.95	280.48	199.82	104.37	47.801	21.778	17.288	28.430	40.95	TOTAL
MEAN	1.72	1.67	1.82	1.90	9.05	6.66	3.37	1.54	0.726	0.557	0.881	1.32	MEAN
MAX	1.81	1.82	1.85	2.85	10.6	8.16	4.36	2.16	1.00	0.833	1.10	1.42	MAX
MIN	1.82	1.53	1.48	1.83	3.67	4.40	2.07	0.818	0.830	0.451	0.631	1.14	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.57
MAXIMUM DAILY, 10.8 ON MAY 14
MINIMUM DAILY, 0.451 ON OCT 18
MAXIMUM INSTANTANEOUS,
10.8 AT 14:58 CST ON MAY 14

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 55 50 N
LONG 94 53 10 W
DRAINAGE AREA, 889 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 810	JUL	9 020
FEB	3 940	AUG	4 110
MAR	4 080	SEP	1 880
APR	4 920	OCT	1 490
MAY	24 200	NOV	2 280
JUN	17 300	DEC	3 540

TOTAL DISCHARGE, 81 400 dam³

FORK RIVER NEAR ETHELBERT - STATION NO. 05LJ018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3408	18.0	0.913	0.078	0	0.005	0	---	---	1
2	---	---	0 B	3.00 B	32.8	0.833	0.055	0	0.003	0	---	---	2
3	---	---	0 B	11.8 B	36.8	0.784	0.043	0.001	0.002	0	---	---	3
4	---	---	0.003B	15.2 B	18.1	0.847	0.051	0.001	0.001	0	---	---	4
5	---	---	0.025B	7.00 E	10.3	0.532	0.033	0	0.001	0	---	---	5
6	---	---	0.018B	3.88 E	7.38	0.434	0.048	0	0.001	0	---	---	6
7	---	---	0.009B	2.83 A	11.8	0.388	0.118	0	0.001	0.001	---	---	7
8	---	---	0.022B	2.81	12.3	0.312	0.095	0	0	0.001	---	---	8
9	---	---	0.014B	2.04	8.10	0.288	0.088	0	0	0.001	---	---	9
10	---	---	0.007B	1.87	8.32	0.287	0.028	0	0	0.001	---	---	10
11	---	---	0 B	1.88	4.88	0.602	0.020	0	0	0.001	---	---	11
12	---	---	0 B	1.84	4.11	0.509	0.015	0	0	0.001	---	---	12
13	---	---	0 B	1.88	3.84	0.358	0.020	0	0	0.001	---	---	13
14	---	---	0 B	1.81	3.18	0.317	0.022	0	0	0.001	---	---	14
15	---	---	0 B	1.44	4.24	0.358	0.051	0	0	0.001	---	---	15
16	---	---	0 B	1.84	3.81	0.343	0.113	0	0	0.001	---	---	16
17	---	---	0 B	1.34	3.29	0.288	0.088	0.001A	0	0.002	---	---	17
18	---	---	0 B	1.20	3.08	0.244	0.071	0.001	0	0.014	---	---	18
19	---	---	0 B	1.13	2.83	0.202	0.057	0.004	0	0.011	---	---	19
20	---	---	0 B	0.895	2.57	0.141	0.045	0.024	0	0.008	---	---	20
21	---	---	0.008B	0.837	2.65	0.120	0.033	0.085	0.001	0.008	---	---	21
22	---	---	0.080B	0.882	2.78	0.107	0.022	0.134	0.001	0.007	---	---	22
23	---	---	1.38 B	0.772	2.27	0.117	0.013	0.088	0.001	0.007	---	---	23
24	---	---	1.11 B	0.804B	1.88	0.141	0.008	0.047	0.001	0.011	---	---	24
25	---	---	0.060B	0.331B	1.70	0.208	0.006	0.027	0.001	0.009	---	---	25
26	---	---	0.045B	0.427	1.58	0.177	0.003	0.017	0.001	0.008	---	---	26
27	---	---	0.030B	1.22	1.58	0.137	0.001	0.013	0.001	0.008	---	---	27
28	---	---	0.025B	2.36	1.47	0.122	0.001	0.012	0.001	0.008	---	---	28
29	---	---	0.018B	8.73	1.38	0.083	0.001	0.008	0.001	0.008	---	---	29
30	---		0.010B	5.83	1.23	0.074	0.001	0.008	0.001	0.007	---	---	30
31	---		0.020B		1.10		0	0.008		0.007		---	31
TOTAL	---	---	2.891	88.788	218.83	10.095	1.208	0.488	0.024	0.138	---	---	TOTAL
MEAN	---	---	0.093	2.96	7.09	0.337	0.038	0.016	0.001	0.004	---	---	MEAN
MAX	---	---	1.38	18.2	36.8	0.913	0.118	0.134	0.005	0.014	---	---	MAX
MIN	---	---	0	0.300	1.10	0.074	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.32
MAXIMUM DAILY, 36.8 ON MAY 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
40.2 AT 22:01 CST ON MAY 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 20 N
LONG 100 22 10 W
DRAINAGE AREA, 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	104
FEB	---	AUG	42.2
MAR	250	SEP	2.07
APR	7 670	OCT	11.1
MAY	18 000	NOV	---
JUN	672	DEC	---

TOTAL DISCHARGE, 28 000 dam³

GAINSBOROUGH CREEK NEAR LYLSTON - STATION NO. 08NF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.001	0.001	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.002	0.001	0	0	0	0	---	---	2
3	---	---	0B	0.0018	0.001	0.001	0	0	0	0	---	---	3
4	---	---	0B	0.0018	0.003	0.001	0	0	0	0	---	---	4
5	---	---	0B	0.0018	0.006	0	0	0	0	0	---	---	5
6	---	---	0B	0.0018	0.005	0	0	0	0	0	---	---	6
7	---	---	0B	0.0018	0.004	0	0	0	0	0	---	---	7
8	---	---	0B	0.0018	0.005	0	0	0	0	0	---	---	8
9	---	---	0B	0.0018	0.003	0	0	0	0	0	---	---	9
10	---	---	0B	0.0018	0.004	0	0	0	0	0	---	---	10
11	---	---	0B	0.0018	0.004	0	0	0	0	0	---	---	11
12	---	---	0B	0.001	0.005	0	0	0	0	0	---	---	12
13	---	---	0B	0.001	0.004	0	0	0	0	0	---	---	13
14	---	---	0B	0.001	0.003	0	0	0	0	0	---	---	14
15	---	---	0B	0.001	0.003	0	0	0	0	0	---	---	15
16	---	---	0B	0.001	0.003	0	0	0	0	0	---	---	16
17	---	---	0B	0.001	0.002	0	0	0	0	0	---	---	17
18	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	18
19	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	19
20	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	20
21	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	21
22	---	---	0B	0.001	0.002	0	0	0	0	0	---	---	22
23	---	---	0B	0.001	0.002	0	0	0	0	0	---	---	23
24	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	24
25	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	25
26	---	---	0B	0.001	0.002	0	0	0	0	0	---	---	26
27	---	---	0B	0.001	0.002	0	0	0	0	0	---	---	27
28	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	28
29	---	---	0B	0.001	0.001	0	0	0	0	0	---	---	29
30	---		0B	0.001	0.001	0	0	0	0	0	---	---	30
31	---		0B		0.001		0	0		0		---	31
TOTAL	---	---	0	0.028	0.077	0.004	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.001	0.002	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.001	0.006	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.006 ON MAY 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.007 AT 17:30 CST ON MAY 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 45 N
LONG 101 11 00 W
DRAINAGE AREA, 1 150 km²

B - ICE CONDITIONS

REGULATED SINCE 1982

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	2.42	OCT	0
MAY	6.85	NOV	---
JUN	0.35	DEC	---

TOTAL DISCHARGE, 9.62 dam³

GARLAND RIVER NEAR DUCK RIVER - STATION NO. 05LE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.100B	13.0	1.38	0.117	0	0.021	0	---	---	1
2	---	---	0.001B	0.250B	28.1	1.33	0.120	0	0.020	0	---	---	2
3	---	---	0.000B	0.500B	50.4	1.08	0.118	0	0.020	0	---	---	3
4	---	---	0.012B	3.75 B	81.1	0.982	0.088	0	0.018	0	---	---	4
5	---	---	0.020B	9.74 B	91.1	0.835	0.076	0	0.017	0	---	---	5
6	---	---	0.022B	15.8 B	93.1	0.708	0.062	0	0.015	0	---	---	6
7	---	---	0.019B	17.8 B	91.0	0.587	0.054	0	0.015	0	---	---	7
8	---	---	0.016B	13.7 B	89.3	0.510	0.050	0	0.012	0	---	---	8
9	---	---	0.021B	10.4 B	81.1	0.442	0.053	0	0.008	0	---	---	9
10	---	---	0.016B	7.86	16.3	0.388	0.050	0	0.005	0	---	---	10
11	---	---	0.015B	8.80	13.0	0.408	0.040	0	0.003	0	---	---	11
12	---	---	0.012B	8.87	8.78	0.416	0.038	0	0.003	0	---	---	12
13	---	---	0.009B	8.82	8.24	0.421	0.038	0	0.002	0	---	---	13
14	---	---	0.007B	8.16	8.87	0.402	0.040	0	0	0	---	---	14
15	---	---	0.005B	4.75	8.26	0.446	0.041	0	0	0	---	---	15
16	---	---	0.004B	4.54	8.73	0.391	0.040	0	0	0	---	---	16
17	---	---	0.003B	4.03	4.98	0.362	0.048	0	0	0	---	---	17
18	---	---	0.002B	3.81	4.48	0.376	0.033	0	0	0	---	---	18
19	---	---	0.002B	3.42	4.17	0.347	0.028	0	0	0	---	---	19
20	---	---	0.002B	3.28	3.82	0.332	0.021	0	0	0	---	---	20
21	---	---	0.004B	2.90	3.45	0.291	0.020	0	0	0	---	---	21
22	---	---	0.025B	2.83	3.14	0.218	0.016	0	0	0	---	---	22
23	---	---	0.050B	2.84	2.87	0.217	0.013	0	0	0	---	---	23
24	---	---	0.077B	2.36	2.57	0.186	0.010	0	0	0A	---	---	24
25	---	---	0.110B	1.52	2.28	0.203	0.010	0	0	0E	---	---	25
26	---	---	0.100B	1.82	2.10	0.182	0.003	0	0	0E	---	---	26
27	---	---	0.085B	2.36	2.11	0.180	0	0	0	0E	---	---	27
28	---	---	0.070B	4.82	2.07	0.188	0	0	0.001	0E	---	---	28
29	---	---	0.058B	8.88	1.82	0.152	0	0.010	0.001	0E	---	---	29
30	---		0.040B	10.1	1.72	0.142	0	0.025	0.001	0E	---	---	30
31	---		0.030B		1.58		0	0.034		0E		---	31
TOTAL	---	---	0.845	184.810	418.04	14.095	1.383	0.088	0.184	0	---	---	TOTAL
MEAN	---	---	0.027	5.80	13.8	0.470	0.041	0.002	0.008	0	---	---	MEAN
MAX	---	---	0.110	17.8	88.1	1.38	0.130	0.035	0.021	0	---	---	MAX
MIN	---	---	0.001	0.100	1.58	0.142	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.48
MAXIMUM DAILY, 88.1 ON MAY 4
MINIMUM DAILY, 0 ON JUL 27
MAXIMUM INSTANTANEOUS,
70.8 AT 00:10 CST ON MAY 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 00 N
LONG 100 14 58 W
DRAINAGE AREA, 640 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	108
FEB	---	AUG	5.88
MAR	73.0	SEP	16.2
APR	14 200	OCT	0
MAY	36 100	NOV	---
JUN	1 220	DEC	---

TOTAL DISCHARGE, 51 700 dam³

GAUER RIVER BELOW THORSTEINSON LAKE - STATION NO. 05FA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.0E	17.5E	14.4E	11.7E	18.1E	92.7	84.8	86.5	88.4	41.5	28.5E	20.0E	1
2	17.3E	17.3E	14.4E	11.7E	18.0E	93.4	83.8	87.0	88.9	42.5	28.0E	19.5E	2
3	17.3E	17.0E	14.3E	11.7E	22.0E	96.2	81.9	86.3	87.0	43.2	26.5E	19.5E	3
4	17.4E	17.0E	14.2E	11.7E	25.7E	97.1	81.4	84.8	86.4	41.3	27.5E	19.2E	4
5	17.4E	17.0E	14.2E	11.5E	30.5E	97.5	81.4	83.9	86.2	40.5	27.0E	19.2E	5
6	17.5E	17.0E	14.2E	11.5E	35.5E	98.6	80.6	85.5	85.9	40.6	27.0E	19.0E	6
7	17.5E	16.9E	14.0E	11.4E	40.2E	97.1	80.3	71.0	81.2	37.0	26.5E	18.9E	7
8	17.0E	16.7E	13.8E	11.2E	45.6E	99.1	78.0	72.3	86.1	33.2	26.0E	18.8E	8
9	17.7E	16.6E	13.7E	11.1E	50.1E	102	76.6	76.3	86.4	36.6	25.5E	18.4E	9
10	17.8E	16.3E	13.5E	11.0E	56.2E	103	81.4	78.4	86.5	40.3	25.2E	18.2E	10
11	17.8E	16.2E	13.4E	11.0E	59.7E	103	83.0	82.2	86.4	37.4	25.0E	18.0E	11
12	17.8E	16.2E	13.3E	11.0E	63.3E	100	83.9	85.3	86.3	36.2	24.2E	17.9E	12
13	17.8E	16.1E	13.2E	10.9E	68.8E	99.0	83.4	87.3	87.8	34.4	24.0E	17.7E	13
14	18.0E	16.1E	13.2E	10.7E	69.0E	100	83.8	87.0	86.3	32.3	23.8E	17.8E	14
15	18.0E	16.1E	13.2E	10.6E	71.1E	100	83.3	87.1	82.2	33.4	23.5E	17.8E	15
16	18.1E	15.8E	13.2E	10.5E	74.0E	101	82.4	86.1	81.8	33.6	23.2E	17.3E	16
17	18.1E	15.8E	13.1E	10.4E	75.4E	100	81.9	86.5	82.2	33.1	22.9E	17.0E	17
18	18.1E	15.4E	13.0E	10.3E	76.8E	100	80.0	87.8	80.4	30.5	22.6E	17.0E	18
19	18.1E	15.4E	12.8E	10.2E	78.2E	98.1	78.9	86.0	80.2	32.7	22.5E	17.0E	19
20	18.1E	15.3E	12.8E	10.2E	78.7E	99.0	80.2	84.4	49.3	34.1	22.3E	17.0E	20
21	18.1E	15.2E	12.7E	10.3E	81.0E	98.0	78.2	78.6	47.5	34.8	22.0E	16.9E	21
22	18.1E	15.2E	12.5E	10.3E	82.0E	97.8	76.0	78.6	46.0	35.0	21.8E	16.7E	22
23	18.1E	15.1E	12.5E	10.2E	83.7E	98.4	77.8	78.9	45.0	34.8	21.7E	16.5E	23
24	18.1E	15.1E	12.5E	10.3E	84.0E	98.1	78.5	78.8	45.1	34.4	21.5E	16.3E	24
25	18.1E	15.1E	12.5E	10.5E	86.3E	98.2	77.0	73.4	44.8	34.0E	21.3E	16.2E	25
26	18.1E	15.0E	12.3E	10.8E	87.4E	98.7	78.7	78.9	44.8	33.0E	21.0E	16.1E	26
27	18.1E	14.9E	12.2E	11.4E	88.4E	93.6	73.9	78.5	44.7	32.5E	20.8E	16.0E	27
28	18.0E	14.7E	12.1E	11.7E	89.0E	89.8	71.0	77.8	41.5	32.0E	20.5E	16.0E	28
29	18.0E	14.6E	11.9E	12.5E	90.0E	86.4	70.5	78.8	43.8	31.5E	20.3E	16.0E	29
30	17.9E		11.9E	13.7E	92.0E	87.3	70.1	74.5	43.0	30.5E	20.2E	15.8E	30
31	17.9E		11.8E		92.1A		68.9	72.1		30.0E		15.7E	31
TOTAL	552.5	462.4	407.0	332.0	2 011.6	2 919.3	2 454.3	2 309.1	1 825.2	1 100.1	718.7	542.8	TOTAL
MEAN	17.8	15.9	13.1	11.1	64.9	97.3	79.2	77.4	64.3	35.5	23.8	17.5	MEAN
MAX	18.1	17.5	14.4	13.7	92.1	103	84.8	88.5	88.4	43.5	28.5	20.0	MAX
MIN	17.0	14.6	11.8	10.2	18.1	87.3	68.9	83.9	41.5	30.0	20.2	15.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 42.4
MAXIMUM DAILY, 103 ON JUN 10
MINIMUM DAILY, 10.2E ON APR 19
MAXIMUM INSTANTANEOUS,
105 AT 14:00 CST ON JUN 10

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 16 06 N
LONG 97 31 24 W
DRAINAGE AREA, 6 980 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	47 700	JUL	212 000
FEB	40 000	AUG	207 000
MAR	35 200	SEP	140 000
APR	28 700	OCT	95 000
MAY	174 000	NOV	61 900
JUN	252 000	DEC	46 900

TOTAL DISCHARGE, 1 340 000 dam³

SIMBY CREEK NEAR CARTWRIGHT - STATION NO. 05BA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.007B	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0.023B	0	0	---	---	---	---	---	---	2
3	---	---	0 B	0.039A	0	0	---	---	---	---	---	---	3
4	---	---	0 B	0.021A	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0.021A	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.027A	0.001	0	---	---	---	---	---	---	6
7	---	---	0 B	0.010A	0.001	0	---	---	---	---	---	---	7
8	---	---	0 B	0.008A	0.001	0	---	---	---	---	---	---	8
9	---	---	0 B	0.005A	0	0	---	---	---	---	---	---	9
10	---	---	0 B	0.007A	0	0	---	---	---	---	---	---	10
11	---	---	0 B	0.010A	0	0	---	---	---	---	---	---	11
12	---	---	0 B	0.008A	0	0	---	---	---	---	---	---	12
13	---	---	0 B	0.008A	0.001	0	---	---	---	---	---	---	13
14	---	---	0 B	0.001A	0.001	0	---	---	---	---	---	---	14
15	---	---	0 B	0	0.001	0	---	---	---	---	---	---	15
16	---	---	0 B	0	0	0	---	---	---	---	---	---	16
17	---	---	0 B	0	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0	0	---	---	---	---	---	---	20
21	---	---	0 B	0	0	0	---	---	---	---	---	---	21
22	---	---	0 B	0	0	0	---	---	---	---	---	---	22
23	---	---	0 B	0	0	0	---	---	---	---	---	---	23
24	---	---	0 B	0	0	0	---	---	---	---	---	---	24
25	---	---	0 B	0	0	0	---	---	---	---	---	---	25
26	---	---	0 B	0	0	0	---	---	---	---	---	---	26
27	---	---	0 B	0	0	0	---	---	---	---	---	---	27
28	---	---	0 B	0	0	0	---	---	---	---	---	---	28
29	---	---	0 B	0	0	0	---	---	---	---	---	---	29
30	---		0 B	0	0	0	---	---	---	---	---	---	30
31	---		0.001B		0		---	---	---	---	---	---	31
TOTAL	---	---	0.001	0.151	0.005	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.005	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.001	0.039	0.001	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.039A ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 40 N
LONG 99 21 00 W
DRAINAGE AREA, 220 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0.08	SEP	---
APR	18.5	OCT	---
MAY	0.52	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 17.1 dam³

GODS LAKE AT OUTLET OF GODS LAKE - STATION NO. 04AC005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	178.570	178.511	178.482	178.388	178.287	178.510	178.572	178.624	178.408	178.288	178.132	178.035	1
2	178.567	178.515	178.482	178.388	178.306	178.520	178.573	178.615	178.400	178.284	178.124	178.041	2
3	178.562	178.514	178.448	178.348	178.312	178.530	178.572	178.624	178.384	178.235	178.121	178.030	3
4	178.561	178.514	178.440	178.348	178.312	178.531	178.568	178.615	178.373	178.248	178.094	178.027	4
5	178.561	178.512	178.438	178.351	178.318	178.522	178.565	178.621	178.388	178.252	178.098	178.028	5
6	178.560	178.506	178.437	178.350	178.318	178.525	178.562	178.614	178.387	178.254	178.088	178.028	6
7	178.557	178.504	178.434	178.338	178.324	178.525	178.575	178.640	178.376	178.241	178.092	178.013	7
8	178.554	178.502	178.432	178.334	178.338	178.527	178.563	178.609	178.408	178.224	178.097	178.008	8
9	178.551	178.498	178.427	178.343	178.343	178.540	178.565	178.611	178.348	178.218	178.097	178.005	9
10	178.548	178.498	178.423	178.348	178.348	178.544	178.563	178.604	178.333	178.191	178.088	178.004	10
11	178.547	178.492	178.418	178.337	178.348	178.528	178.562	178.604	178.332	178.187	178.085	178.998	11
12	178.542	178.488	178.418	178.340	178.351	178.518	178.563	178.605	178.324	178.198	178.074	178.001	12
13	178.540	178.485	178.418	178.338	178.353	178.542	178.532	178.588	178.332	178.193	178.081	178.998	13
14	178.536	178.485	178.412	178.331	178.352	178.552	178.561	178.607	178.320	178.184	178.083	178.995	14
15	178.532	178.477	178.410	178.328	178.361	178.547	178.562	178.588	178.328	178.186	178.080	178.995	15
16	178.536	178.482	178.405	178.318	178.363	178.563	178.548	178.471	178.327	178.177	178.082	178.995	16
17	178.542	178.478	178.400	178.321	178.363	178.563	178.548	178.485	178.318	178.188	178.087	178.990	17
18	178.535	178.477	178.398	178.314	178.358	178.565	178.550	178.488	178.285	178.188	178.071	178.985	18
19	178.534	178.478	178.394	178.310	178.372	178.574	178.548	178.482	178.278	178.183	178.082	178.981	19
20	178.527	178.479	178.388	178.314	178.375	178.576	178.548	178.484	178.285	178.184	178.082	178.975	20
21	178.523	178.471	178.384	178.312	178.382	178.588	178.551	178.485	178.288	178.148	178.084	178.974	21
22	178.527	178.469	178.384	178.308	178.383	178.582	178.548	178.483	178.303	178.185	178.081	178.979	22
23	178.526	178.471	178.382	178.308	178.383	178.573	178.548	178.442	178.304	178.158	178.081	178.979	23
24	178.530	178.473	178.387	178.304	178.388	178.575	178.531	178.440	178.304	178.147	178.081	178.988	24
25	178.518	178.488	178.383	178.300	178.407	178.572	178.526	178.428	178.295	178.144	178.080	178.988	25
26	178.519	178.482	178.388	178.298	178.422	178.579	178.527	178.421	178.283	178.142	178.084	178.982	26
27	178.516	178.488	178.380	178.297	178.438	178.574	178.528	178.408	178.281	178.131	178.083	178.977	27
28	178.512	178.489	178.378	178.297	178.450	178.588	178.532	178.388	178.282	178.124	178.038	178.976	28
29	178.508	178.484	178.380	178.298	178.468	178.572	178.526	178.403	178.286	178.124	178.038	178.978	29
30	178.511		178.385	178.298	178.472	178.573	178.516	178.407	178.302	178.118	178.038	178.978	30
31	178.508		178.384		178.481		178.535	178.407		178.111		178.971	31
MEAN	178.537	178.488	178.403	178.328	178.372	178.551	178.548	178.471	178.327	178.184	178.078	178.987	MEAN
MAX	178.570	178.515	178.482	178.388	178.481	178.579	178.583	178.640	178.408	178.288	178.124	178.041	MAX
MIN	178.508	178.484	178.380	178.298	178.287	178.510	178.516	178.388	178.278	178.111	178.038	178.971	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MEAN, 178.388
MAXIMUM DAILY, 178.583 ON JUL 8
MINIMUM DAILY, 178.971 ON DEC 31
MAXIMUM INSTANTANEOUS,
178.618 AT 10:83 CST ON JUL 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 47 N
LONG 94 05 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1980 ADJ.)
APPLY -001.790 m ADJUSTMENT TO CONVERT TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

REMARKS - ACCURACY OF DATA FROM JULY 13 - OCT 07 IS POOR

GODS RIVER BELOW ALLEN RAPIDS - STATION NO. 04AC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1288	1218	1158	1088	100	124	131	125	112	98.7	84.0	75.88	1
2	1288	1218	1158	1088	102	126	131	124	112	88.0	84.1	75.88	2
3	1278	1218	1148	1048	102	126	131	125	110	86.2	83.8	75.28	3
4	1278	1218	1148	1048	102	124	139	124	108	85.4	81.7	75.18	4
5	1278	1218	1138	1048	102	126	130	128	108	85.8	82.1	74.88	5
6	1278	1208	1138	1048	103	125	130	124	108	88.0	82.1	74.58	6
7	1268	1208	1138	1038	103	125	131	127	108	84.8	81.8	74.38	7
8	1268	1208	1138	1038	105	127	132	123	113	83.2	82.0	74.18	8
9	1268	1208	1128	1048	105	127	130	124	108	82.8	82.0	73.88	9
10	1268	1198	1128	1048	105	127	138	123	104	80.1	81.1	73.78	10
11	1268	1188	1118	1038	105	125	130	121	103	80.8	81.0	73.48	11
12	1248	1188	1118	1038	105	124	130	131	103	80.8	80.1	73.18	12
13	1248	1188	1118	1038	105	127	126	121	104	80.3	80.7	72.88	13
14	1248	1188	1118	1038	105	126	127	121	103	80.4	80.8	72.78	14
15	1238	1178	1108	1028	107	126	127	121	103	80.8	80.8	72.48	15
16	1238	1188	1108	1028	107	130	128	118	104	88.7	78.3	72.28	16
17	1248	1188	1088	1028	107	130	128	119	103	87.7	78.08	71.88	17
18	1238	1178	1088	1018	106	130	128	119	100	87.8	78.88	71.78	18
19	1238	1178	1088	1018	108	131	128	118	98.3	87.4	78.88	71.88	19
20	1238	1188	1088	1018	108	131	127	117	98.3	87.6	78.38	71.28	20
21	1238	1178	1088	1018	110	130	128	118	100	88.8	78.18	71.08	21
22	1238	1178	1088	1018	111	130	127	117	101	88.7	78.08	70.88	22
23	1238	1178	1078	1018	111	131	127	118	101	87.0	77.78	70.88	23
24	1238	1178	1088	1018	111	131	128	118	101	88.0	77.88	70.38	24
25	1238	1188	1088	1008	112	131	128	114	100	88.7	77.28	70.18	25
26	1238	1188	1088	1008	114	132	128	114	98.8	85.8	78.88	88.88	26
27	1218	1188	1088	1008	115	131	128	113	98.8	84.7	78.78	88.78	27
28	1218	1188	1048	1008	117	130	128	111	98.8	84.1	78.68	88.68	28
29	1218	1188	1088	1008	118	131	128	112	98.3	84.1	78.38	88.38	29
30	1218		1088	1008	120	131	134	112	101	83.7	78.08	88.18	30
31	1208		1088		122		128	112		83.1		88.08	31
TOTAL	3 839	3 428	3 389	3 085	3 362	3 849	3 985	3 895	3 111.8	2 774.4	2 382.7	2 238.8	TOTAL
MEAN	124	118	110	102	108	128	128	119	104	88.5	78.8	72.2	MEAN
MAX	128	121	118	108	122	132	132	127	113	88.7	84.1	75.8	MAX
MIN	120	118	104	100	100	124	124	111	98.3	83.1	78.0	88.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1988

MEAN, 107
MAXIMUM DAILY, 132 ON JUN 28
MINIMUM DAILY, 88.88 ON DEC 31
MAXIMUM INSTANTANEOUS,
137 AT 10:83 CST ON JUL 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 01 35 N
LONG 93 50 10 W
DRAINAGE AREA, 35 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	332 000	JUL	343 000
FEB	286 000	AUG	319 000
MAR	284 000	SEP	269 000
APR	265 000	OCT	240 000
MAY	290 000	NOV	207 000
JUN	333 000	DEC	193 000

TOTAL DISCHARGE, 3 380 000 dam³

GODS RIVER NEAR SHAMATTAWA - STATION NO. 04AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	214B	187B	178B	175B	235B	646	319	300	198	240	188B	129 B	1
2	213B	187B	178B	175B	786B	657	305	314	206	231	185B	127 B	2
3	213B	186B	178B	175B	1 570B	742	299	327	206	231	183B	126 B	3
4	212B	186B	178B	175B	1 860B	747	296	336	205	223	179B	124 B	4
5	211B	186B	178B	175B	1 890B	714	289	347	204	211	177B	123 B	5
6	209B	185B	178B	175B	1 840B	679	282	345	193	207	176B	122 B	6
7	208B	185B	178B	175B	1 800B	647	274	331	181	205	173B	121 B	7
8	207B	184B	178B	175B	1 640B	610	282	315	173	202	171B	119 B	8
9	206B	184B	178B	175B	1 520	580	285	302	176	203	169B	118 B	9
10	205B	183B	178B	175B	1 370	558	284	290	186	213	167B	117 B	10
11	204B	183B	178B	174B	1 280	520	288	287	189	202	165B	115 B	11
12	203B	182B	177B	174B	1 220	483	286	289	182	193	163B	114 B	12
13	202B	182B	177B	174B	1 150	501	286	285	177	186	160B	113 B	13
14	201B	182B	177B	174B	1 080	514	289	285	178	184	158B	112 B	14
15	200B	181B	177B	174B	1 030	511	277	278	181	184	155B	111 B	15
16	200B	181B	177B	174B	973	488	270	270	176	183	154B	110 B	16
17	199B	181B	177B	173B	894	465	266	262	175	185	152B	109 B	17
18	198B	181B	176B	173B	833	444	265	252	175	182	150B	108 B	18
19	197B	180B	176B	173B	860	432	266	240	177	176	148B	107 B	19
20	196B	180B	176B	173B	843	446	265	234	182	173	147B	106 B	20
21	195B	180B	176B	173B	626	460	261	224	181	187	145B	105 B	21
22	194B	180B	176B	173B	620	465	266	212	181	180	144B	105 B	22
23	193B	180B	176B	173B	603	444	265	207	201	185	142B	104 B	23
24	192B	180B	176B	173B	583	422	269	209	216	189	141B	103 B	24
25	191B	180B	176B	173B	563	403	266	215	226	203	139B	102 B	25
26	190B	179B	176B	173B	583	384	265	212	231	202B	137B	102 B	26
27	190B	179B	175B	173B	559	376	264	212	225	200B	135B	101 B	27
28	189B	179B	175B	174B	542	357	267	215	227	198B	133B	100 B	28
29	188B	179B	175B	175B	537	340	269	215	229	194B	132B	99.3B	29
30	188B		175B	175B	544	326	270	208	236	192B	130B	98.4B	30
31	188B		175B		530		267	200		190B		97.9B	31
TOTAL	6 197	5 282	5 481	5 225	31 012	15 277	8 641	8 223	5 661	6 135	4 698	3 448.6	TOTAL
MEAN	200	182	177	174	1 000	509	279	265	189	198	157	111	MEAN
MAX	214	187	178	175	1 890	747	319	347	236	240	188	129	MAX
MIN	188	179	175	173	235	326	261	200	173	173	130	97.9	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 288
MAXIMUM DAILY, 1 890B ON MAY 5
MINIMUM DAILY, 97.9B ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 00 N
LONG 92 05 55 W
DRAINAGE AREA, 25 500 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	535 000	JUL	747 000
FEB	456 000	AUG	710 000
MAR	474 000	SEP	489 000
APR	451 000	OCT	530 000
MAY	2 680 000	NOV	406 000
JUN	1 320 000	DEC	298 000

TOTAL DISCHARGE, 9 120 000 dam³

GOPHER CREEK NEAR GLADSTONE - STATION NO. 05LL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.001B	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0.016B	0.008	0	---	---	---	---	---	---	2
3	---	---	0 B	0.082B	0.011	0	---	---	---	---	---	---	3
4	---	---	0 B	0.050B	0.008	0	---	---	---	---	---	---	4
5	---	---	0 B	0.025B	0.005	0	---	---	---	---	---	---	5
6	---	---	0 B	0.014B	0.004	0	---	---	---	---	---	---	6
7	---	---	0 B	0.008B	0.008	0	---	---	---	---	---	---	7
8	---	---	0.002B	0.005	0.022	0	---	---	---	---	---	---	8
9	---	---	0.005B	0.004	0.025	0	---	---	---	---	---	---	9
10	---	---	0.002B	0.003	0.024	0	---	---	---	---	---	---	10
11	---	---	0 B	0.003	0.020	0	---	---	---	---	---	---	11
12	---	---	0 B	0.003	0.016	0	---	---	---	---	---	---	12
13	---	---	0 B	0.002	0.012	0	---	---	---	---	---	---	13
14	---	---	0 B	0.001	0.011	0	---	---	---	---	---	---	14
15	---	---	0 B	0.001	0.010	0	---	---	---	---	---	---	15
16	---	---	0 B	0.001	0.008	0	---	---	---	---	---	---	16
17	---	---	0 B	0.001	0.008	0	---	---	---	---	---	---	17
18	---	---	0 B	0.001	0.007	0	---	---	---	---	---	---	18
19	---	---	0 B	0	0.007	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0.006	0	---	---	---	---	---	---	20
21	---	---	0 B	0	0.005	0	---	---	---	---	---	---	21
22	---	---	0 B	0	0.004	0	---	---	---	---	---	---	22
23	---	---	0 B	0	0.004	0	---	---	---	---	---	---	23
24	---	---	0.001B	0	0.003	0	---	---	---	---	---	---	24
25	---	---	0.011B	0	0.002	0	---	---	---	---	---	---	25
26	---	---	0.008B	0	0.002	0	---	---	---	---	---	---	26
27	---	---	0.001B	0	0.002	0	---	---	---	---	---	---	27
28	---	---	0 B	0	0.002	0	---	---	---	---	---	---	28
29	---	---	0 B	0	0.001	0	---	---	---	---	---	---	29
30	---		0 B	0	0.001	0	---	---	---	---	---	---	30
31	---		0 B		0.001		---	---		---		---	31
TOTAL	---	---	0.031	0.202	0.248	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.001	0.007	0.008	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.011	0.082	0.025	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.082B ON APR 3
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 27 N
LONG 98 56 38 W
DRAINAGE AREA, 50.0 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2.68	SEP	---
APR	17.5	OCT	---
MAY	21.3	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 41.5 dam³

GOPHER CREEK NEAR VIRDEN - STATION NO. 05MG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0	0	0	0	0	0	0	---	---	1
2	---	---	0B	0	0	0	0	0	0	0	---	---	2
3	---	---	0B	0	0	0	0	0	0	0	---	---	3
4	---	---	0B	0	0	0	0	0	0	0	---	---	4
5	---	---	0B	0	0	0	0	0	0	0	---	---	5
6	---	---	0B	0	0	0	0	0	0	0	---	---	6
7	---	---	0B	0	0	0	0	0	0	0	---	---	7
8	---	---	0B	0	0	0	0	0	0	0	---	---	8
9	---	---	0B	0	0	0	0	0	0	0	---	---	9
10	---	---	0B	0	0	0	0	0	0	0	---	---	10
11	---	---	0B	0	0	0	0	0	0	0	---	---	11
12	---	---	0B	0	0	0	0	0	0	0	---	---	12
13	---	---	0B	0	0	0	0	0	0	0	---	---	13
14	---	---	0B	0	0	0	0	0	0	0	---	---	14
15	---	---	0B	0	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---	---	0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0B AT 00:01 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 00 N
LONG 100 57 52 W
DRAINAGE AREA, 293 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

GOUDNEY RESERVOIR NEAR PILOT MOUND - STATION NO. 05OB003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	451.603E	451.418E	451.150	450.915E	450.837E	450.750E	---	1
2	---	---	451.606	---	---	451.598E	451.415E	451.148E	450.910	450.833E	450.750E	---	2
3	---	---	---	---	---	451.593E	451.413E	451.142	450.905E	450.830	450.750	---	3
4	---	---	---	---	---	451.588E	451.410	451.131E	450.900E	450.826E	450.750E	---	4
5	451.586	---	---	---	---	451.583E	451.380E	451.120	450.895E	450.825E	450.750E	---	5
6	---	---	---	---	---	451.578	451.310	451.110E	450.890	450.823E	450.750E	---	6
7	---	---	---	451.786	---	451.572	451.305E	451.100E	450.880E	450.820	450.750	---	7
8	---	---	---	---	---	451.560	451.300	451.090	450.870E	450.815E	450.748E	---	8
9	---	---	---	---	---	451.545E	451.290E	451.080E	450.860	450.810E	450.745E	---	9
10	---	---	---	---	---	451.530	451.280E	451.070	450.863E	450.805E	450.743E	---	10
11	---	---	---	---	---	451.523E	451.270	451.066E	450.867E	450.800	450.740	---	11
12	---	---	---	---	---	451.517E	451.260E	451.060	450.870	450.795	450.740E	---	12
13	---	---	---	---	---	451.510	451.250	451.057E	450.870E	450.793E	450.740E	---	13
14	---	---	---	451.753	---	451.510E	451.250E	451.053E	450.870	450.790	450.740E	---	14
15	---	---	---	---	---	451.510	451.250	451.050	450.865E	450.787E	450.740	---	15
16	---	---	451.774	---	---	451.505E	451.247E	451.040E	450.860	450.783E	---	---	16
17	---	---	---	---	---	451.500	451.243E	451.030	450.860E	450.780	---	---	17
18	---	---	---	---	---	451.493E	451.240	451.025E	450.860E	450.777E	---	---	18
19	---	451.626	---	---	---	451.487E	451.235E	451.020	450.860	450.773E	---	---	19
20	---	---	---	---	---	451.480	451.230	451.013E	450.860E	450.770	---	---	20
21	---	---	---	---	---	451.470E	451.230E	451.007E	450.860	450.770E	---	---	21
22	---	---	---	---	---	451.460	451.230	451.000	450.860E	450.770E	---	450.684	22
23	---	---	---	---	451.656	451.455E	451.223E	450.990E	450.860	450.770E	---	---	23
24	---	---	---	---	451.643E	451.450	451.217E	450.980	450.855E	450.770	---	---	24
25	---	---	---	---	451.628	451.443E	451.210	450.975E	450.855E	450.765E	---	---	25
26	---	---	---	---	451.626E	451.437E	451.205E	450.970	450.853	450.760	---	---	26
27	451.533	---	---	---	451.625	451.430	451.200	450.960E	450.847E	450.760E	---	---	27
28	---	---	---	---	451.622E	451.430E	451.190E	450.950E	450.840	450.760	---	---	28
29	---	---	---	---	451.618E	451.430	451.180	450.940	450.840E	450.757E	---	---	29
30	---		451.776	---	451.613E	451.420	451.170E	450.930E	450.840	450.753E	---	---	30
31	---		---		451.608E		451.160E	450.920		450.750		---	31
MEAN	---	---	---	---	---	451.507	451.284	451.036	450.868	450.788	---	---	MEAN
MAX	---	---	---	---	---	451.603	451.418	451.150	450.915	450.837	---	---	MAX
MIN	---	---	---	---	---	451.420	451.160	450.920	450.840	450.750	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 12 30 N
LONG 98 57 03 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1986

DRAINAGE AREA,
154 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1986, PUBLISHED AS "PILOT MOUND"

GRACE LAKE NEAR THE PAS - STATION NO. 05KJ002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	280.304	280.278	280.157	280.082	280.013	289.983	---	---	1
2	---	---	---	---	280.317	280.276	280.157	280.080	280.018	289.987	---	---	2
3	---	---	---	---	280.322	280.273	280.157	280.084	280.018	289.986	---	---	3
4	---	---	---	---	280.323	280.271	280.151	280.077	280.012	289.985	---	---	4
5	---	---	---	---	280.324	280.268	280.153	280.074	280.008	289.982	---	---	5
6	---	---	---	---	280.324	280.264	280.151	280.074	280.005	289.980	---	---	6
7	---	---	---	---	280.326	280.261	280.153	280.084	280.008	289.981	---	---	7
8	---	---	---	---	280.327	280.251	280.140	280.085	280.004	289.981	---	---	8
9	---	---	280.203A	---	280.326	280.238	280.130	280.083	280.002	289.974	---	---	9
10	---	---	---	---	280.326	280.236	280.127	280.048	280.000	289.978	---	---	10
11	---	---	---	---	280.324	280.232	280.126	280.051	280.002	289.980	---	---	11
12	---	---	---	280.238A	280.321	280.232	280.125	280.048	280.008	289.978	---	---	12
13	---	---	---	---	280.319	280.220	280.124	280.048	280.000	289.974	---	---	13
14	---	---	---	---	280.326	280.218	280.123	280.040	280.000	289.976	---	---	14
15	---	---	---	---	280.318	280.213	280.121	280.040	289.990	289.971	---	---	15
16	---	---	---	---	280.314	280.209	280.121	280.039	289.990	289.971	---	---	16
17	---	---	---	---	280.318	280.208	280.126	280.037	289.987	289.986	---	---	17
18	---	---	---	---	280.312	280.204	280.135	280.032	289.987	289.988	---	---	18
19	---	---	---	---	280.311	280.185	280.131	280.036	289.986	289.970	---	---	19
20	---	---	---	---	280.311	280.187	280.127	280.043	289.992	289.988	---	---	20
21	---	---	---	---	280.307	280.181	280.126	280.048	289.990	289.973	---	---	21
22	---	---	---	---	280.308	280.177	280.126	280.048	289.985	289.961	---	---	22
23	---	---	---	---	280.302	280.184	280.104	280.048	289.987	289.956	---	---	23
24	---	---	280.205A	---	280.288	280.184	280.105	280.043	289.986	289.957	---	---	24
25	---	---	---	280.263A	280.291	280.180	280.102	280.043	289.983	289.957	---	---	25
26	---	---	---	---	280.286	280.186	280.086	280.044	289.990	289.987	---	---	26
27	---	---	---	---	280.288	280.196	280.101	280.048	289.991	289.958	---	---	27
28	---	---	---	---	280.297	280.183	280.103	280.044	289.991	289.958	---	---	28
29	---	---	---	---	280.293	280.176	280.106	280.038	289.988	289.962	---	---	29
30	---		---	280.263A	280.286	280.186	280.107	280.032	289.987	289.964	---	---	30
31	---		---		280.287		280.090	280.014		289.988A		---	31
MEAN	---	---	---	---	280.312	280.217	280.126	280.050	289.995	289.971	---	---	MEAN
MAX	---	---	---	---	280.326	280.276	280.157	280.084	280.018	289.987	---	---	MAX
MIN	---	---	---	---	280.287	280.185	280.090	280.014	289.983	289.958	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 280.326 ON MAY 9

MAXIMUM INSTANTANEOUS,
280.340 AT 17:36 CST ON MAY 14

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 48 00 N
LONG 101 12 00 W

A - MANUAL GAUGE

REGULATED SINCE 1965

GRAHAM CREEK NEAR MELITA - STATION NO. 05MP008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0088	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.008	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.002	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0	0	0	0	0	0	0	---	---	5
6	---	---	0.0015	0	0	0	0	0	0	0	---	---	6
7	---	---	0.0015	0	0	0	0	0	0	0	---	---	7
8	---	---	0.0025	0	0	0	0	0	0	0	---	---	8
9	---	---	0.0015	0	0	0	0	0	0	0	---	---	9
10	---	---	0.0035	0	0	0	0	0	0	0	---	---	10
11	---	---	0.0035	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.0058	0	0	0	0	0	0	0	---	---	22
23	---	---	0.0068	0	0	0	0	0	0	0	---	---	23
24	---	---	0.0088	0	0	0	0	0	0	0	---	---	24
25	---	---	0.0088	0	0	0	0	0	0	0	---	---	25
26	---	---	0.0018	0	0	0	0	0	0	0	---	---	26
27	---	---	0.0018	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0	0	0	0	0	0	0	---	---	29
30	---		0 B	0	0	0	0	0	0	0	---	---	30
31	---		0 B		0		0	0		0		---	31
TOTAL	---	---	0.036	0.014	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.008	0.008	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.0088 ON MAR 25
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.0238 AT 00:25 CST ON MAR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 100 59 45 W
DRAINAGE AREA, 734 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	3.11	SEP	0
APR	1.21	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4.32 dam³

GRANVILLE LAKE AT GRANVILLE LAKE - STATION NO. 05ED002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	289.736	289.742	289.747	289.674	289.615	280.018	289.880	289.888	289.858	289.785	289.880	289.858	1
2	289.742	289.741	289.742	289.674	289.625	280.021	289.890	289.853	289.885	289.778	289.871	289.854	2
3	289.741	289.741	289.740	289.677	289.638	280.020	289.847	289.833	289.883	289.762	289.868	289.849	3
4	289.741	289.740	289.740	289.683	289.654	280.027	289.840	289.824	289.886	289.764	289.852	289.845	4
5	289.742	289.744	289.743	289.884	289.674	280.029	289.837	289.808	289.886	289.780	289.860	289.842	5
6	289.745	289.744	289.738	289.883	289.686	280.032	289.831	289.885	289.871	289.785	289.868	289.836	6
7	289.746	289.742	289.738	289.886	289.726	280.033	289.841	289.818	289.884	289.788	289.880	289.827	7
8	289.747	289.741	289.736	289.881	289.763	280.032	289.842	289.813	289.878	289.802	289.868	289.822	8
9	289.752	289.743	289.736	289.885	289.782	280.027	289.838	289.821	289.883	289.804	289.861	289.817	9
10	289.760	289.745	289.731	289.892	289.803	280.026	289.845	289.826	289.889	289.810	289.838	289.812	10
11	289.748	289.748	289.720	289.895	289.826	280.032	289.838	289.828	289.705	289.808	289.823	289.813	11
12	289.760	289.748	289.717	289.883	289.846	280.032	289.834	289.828	289.707	289.782	289.828	289.814	12
13	289.749	289.784	289.713	289.889	289.885	280.023	289.830	289.826	289.714	289.780	289.821	289.805	13
14	289.781	289.781	289.710	289.887	289.887	280.018	289.818	289.828	289.727	289.782	289.818	289.807	14
15	289.765	289.783	289.706	289.885	289.886	280.011	289.908	289.830	289.735	289.782	289.811	289.804	15
16	289.786	289.785	289.704	289.886	289.908	280.002	289.908	289.833	289.735	289.788	289.803	289.805	16
17	289.780	289.788	289.688	289.878	289.828	289.998	289.901	289.827	289.745	289.777	289.800	289.802	17
18	289.788	289.789	289.682	289.874	289.838	280.002	289.888	289.828	289.764	289.782	289.894	289.803	18
19	289.788	289.787	289.685	289.870	289.848	280.008	289.885	289.831	289.780	289.748	289.892	289.802	19
20	289.789	289.788	289.884	289.884	289.861	280.008	289.888	289.828	289.781	289.782	289.884	289.488	20
21	289.783	289.781	289.883	289.881	289.888	289.888	289.884	289.828	289.783	289.744	289.880	289.484	21
22	289.788	289.781	289.881	289.884	289.873	289.888	289.843	289.845	289.773	289.740	289.878	289.481	22
23	289.783	289.787	289.881	289.880	289.878	289.880	289.745	289.848	289.778	289.734	289.878	289.474	23
24	289.788	289.784	289.881	289.847	289.878	289.884	289.781	289.840	289.778	289.731	289.878	289.488	24
25	289.785	289.783	289.880	289.838	289.886	289.900	289.778	289.850	289.777	289.711	289.871	289.483	25
26	289.783	289.784	289.871	289.838	289.891	289.880	289.788	289.888	289.783	289.707	289.888	289.488	26
27	289.781	289.788	289.871	289.821	289.895	289.888	289.742	289.858	289.787	289.700	289.880	289.484	27
28	289.784	289.788	289.874	289.818	289.902	289.880	289.727	289.888	289.783	289.885	289.881	289.448	28
29	289.783	289.748	289.874	289.814	289.913	289.888	289.701	289.885	289.783	289.878	289.880	289.480	29
30	289.748		289.872	289.813	289.910	289.882	289.883	289.883	289.773	289.872	289.888	289.450A	30
31	289.748		289.871		289.918		289.873	289.883		289.888		289.449E	31
MEAN	289.751	289.750	289.705	289.887	289.887	280.008	289.885	289.835	289.728	289.788	289.810	289.497	MEAN
MAX	289.783	289.781	289.747	289.895	289.918	280.033	289.880	289.888	289.787	289.810	289.871	289.888	MAX
MIN	289.736	289.740	289.871	289.813	289.818	289.882	289.873	289.895	289.888	289.888	289.888	289.448	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MEAN, 289.737
MAXIMUM DAILY, 280.033 ON JUN 7
MINIMUM DAILY, 289.448 ON DEC 28
MAXIMUM INSTANTANEOUS,
280.082 AT 15:15 CST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 13 40 N
LONG 100 35 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1938

DRAINAGE AREA,
244 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

REMARKS - PRIOR TO 1988, PUBLISHED AS "AT PICKEREL NARROWS"

GRASS RIVER ABOVE STANDING STONE FALLS - STATION NO. 05TD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	35.7	30.8	27.2	25.4E	27.8	84.8E	113 A	84.3	55.2	44.8	32.8	28.2	1
2	35.4	30.8	27.1	25.4E	31.3	87.7A	111 A	83.9	54.8	44.1	32.6	28.1	2
3	35.2	30.4	26.9	25.4E	38.2	102 A	110 A	83.2	53.1	43.2	32.7	28.0	3
4	35.2	30.4	26.8	25.8E	36.8	102 A	111 A	81.8	52.3	44.8	32.3	27.8	4
5	34.8	30.4	26.8	25.7E	41.0	88.4E	110 A	81.4	52.1	43.9	32.1	27.9	5
6	34.3	30.0	26.7	25.8A	43.8	89.2A	108 A	87.3	52.4	42.8	31.7	27.8	6
7	34.2	29.8	26.6	25.8	47.1	87.6A	112 A	86.6	51.8	41.0	31.1	27.7	7
8	34.2	29.8	26.6	25.8	51.7	103 A	113 A	86.8	50.6	41.4	31.2	27.6	8
9	34.1	29.8	26.4	25.8	56.1	108 E	110 A	86.3	87.6	42.4	31.6	27.3	9
10	33.7	29.3	26.3	25.8	60.8	107 E	108 A	83.8	86.4	39.2	31.3	27.2	10
11	33.7	29.0	26.3	25.6	64.3	108 E	111 A	83.2	86.8	38.7	31.0	26.8	11
12	33.4	28.8	26.1	25.8	66.6	108 E	111 A	82.8	87.3	38.0	30.7	27.0	12
13	33.3	28.8	26.0	25.8	68.1	110 A	102 A	82.8	86.3	37.8	31.1	26.8	13
14	32.8	28.7	25.8	25.8	68.8	111 A	106 A	81.7	84.8	38.4	31.2	26.8	14
15	33.7	28.4	25.7	25.8	72.3	113 A	108 A	80.4	49.4	38.1	31.0	26.8	15
16	32.8	28.8	25.7	25.4	74.8	118 A	107 A	78.8	48.8	38.8	30.8	26.8	16
17	32.8	28.4	25.8	25.4	75.8	113 A	107 A	77.4	83.3	38.8	30.8	26.4	17
18	32.8	28.4	25.8	25.4	76.8	118 E	107 A	76.8	81.7	38.3	30.2	26.2	18
19	32.8	28.8	25.4	25.3	78.3	118 A	108 A	73.7	47.8	38.8	30.0	26.1	19
20	31.8	28.8	25.3	25.3	78.8	118 A	108 A	71.8	49.7	33.8	29.7	26.0	20
21	31.7	28.2	25.2	25.3	82.1	118 A	108 A	88.8	48.8	34.7	29.8	26.0	21
22	31.7	28.4	25.3	25.3	82.2A	114 E	108 A	72.1	47.8	32.8	29.8	26.0	22
23	31.8	28.3	25.2	25.3	83.8A	113 A	108 A	72.8	48.3	37.1	29.2	26.1	23
24	31.8	28.2	25.1A	25.3	84.8A	118 A	103 A	73.2	48.2	38.7	29.3	26.2	24
25	31.8	27.8	25.1E	25.3	86.7A	116 E	88.7A	71.8	48.8	39.7	29.3	26.1	25
26	31.4	27.8	25.2E	25.3	87.8A	117 A	100 A	70.3	47.8	35.1	28.1	25.8	26
27	31.1	27.4	25.3E	25.3	87.8A	118 A	89.8A	88.8	46.8	34.8	28.8	25.8	27
28	31.1	27.4	25.3E	25.3	87.8A	113 A	87.8	88.8	46.8	34.8	28.8	25.7	28
29	30.8	27.2	25.4E	25.4	87.8A	114 A	88.8	88.8	46.1	33.8	28.4	25.8	29
30	30.8		25.4E	25.8	88.8A	114 A	88.3	87.8	46.8	33.8	28.2	25.8	30
31	30.8		25.8E		91.8A		88.8	88.3		33.8		25.4	31
TOTAL	1 018.8	837.8	802.8	765.8	2 108.8	3 283.7	3 377.3	2 483.3	1 824.1	1 178.7	915.7	827.3	TOTAL
MEAN	32.8	28.8	25.8	25.5	68.0	109	109	78.1	54.1	37.8	30.5	26.7	MEAN
MAX	35.7	30.8	27.2	26.0	91.8	118	113	84.3	55.2	44.8	32.8	28.2	MAX
MIN	30.8	27.2	25.1	25.3	27.8	84.8	88.3	88.3	46.8	33.8	28.2	25.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1988

MEAN, 83.2
MAXIMUM DAILY, 118A ON JUN 19
MINIMUM DAILY, 25.1A ON MAR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 35 N
LONG 97 00 00 W
DRAINAGE AREA, 15 400 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	88 100	JUL	383 000
FEB	73 400	AUG	212 000
MAR	88 400	SEP	140 000
APR	66 100	OCT	102 000
MAY	183 000	NOV	79 100
JUN	284 000	DEC	71 800

TOTAL DISCHARGE, 1 650 000 dam³

GRASS RIVER AT WEKUSKO FALLS - STATION NO. 05TB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.88E	4.86	5.46	6.03	7.97	10.3	8.36	6.43	4.85	3.71	2.58	2.46	1
2	4.88E	4.87	5.81	6.01	8.22	10.0	8.37	6.38	4.87	3.83	2.58	2.41	2
3	4.88E	4.86	5.80	5.87	8.80	10.3	7.84	6.42	4.47	3.86	2.33	2.40	3
4	4.80E	4.86	5.58	5.36	10.4	10.3	8.12	6.48	4.38	3.73	2.32	2.48	4
5	4.80E	5.01	5.89	5.48	10.7	9.98	7.85	6.26	4.42	3.73	2.52	2.47	5
6	4.80E	4.88	5.71	5.38	10.7	9.26	8.06	5.83	4.80	3.80	2.40	2.41	6
7	4.80E	4.86	5.88	6.00	10.8	8.81	8.44	5.77	4.81	3.48	2.84	2.32	7
8	4.80E	4.83	5.81	6.23	11.2	8.43	8.26	6.11	4.80	3.81	2.77	2.23	8
9	4.81E	4.86	5.87	6.80	11.1	8.81	7.88	5.78	4.84	3.48	2.88	2.13	9
10	4.81E	4.86	5.80	6.88	11.3	8.82	7.44	5.71	4.88	3.23	2.72	2.08	10
11	4.81A	4.87	5.87	6.83	11.2	9.26	7.88	5.88	4.88	3.18	2.47	2.10	11
12	4.86	4.86	5.84	6.80	11.0	9.20	7.41	5.89	4.85	3.23	2.46	2.25	12
13	4.82	4.82	5.83	6.38	11.1	9.09	7.12	5.83	4.88	3.20	2.86	2.13	13
14	4.87	4.83	5.87	6.41	10.3	8.90	7.20	5.88	4.88	3.12	2.83	2.12	14
15	4.82	4.81	5.89	6.03	10.8	9.13	7.48	5.83	4.82	3.31	2.46	2.12	15
16	4.82	5.03	5.84	6.28	11.0	9.18	7.88	5.12	4.38	3.14	2.42	2.26	16
17	4.72	5.17	5.84	6.28	10.7	8.96	7.48	5.24	4.00	3.08	2.42	2.18	17
18	4.74	5.27	5.83	6.31	10.7	8.97	7.84	5.20	4.31	3.14	2.44	2.22	18
19	4.84	5.23	5.48	6.16	10.4	9.32	7.41	5.04	4.02	3.12	2.43	2.12	19
20	4.77	5.19	5.44	6.23	10.3	9.14	7.84	4.98	4.07	3.02	2.43	2.13	20
21	4.84	5.27	5.47	6.16	10.3	8.71	7.60	4.78	4.10	2.98	2.58	2.16	21
22	4.72	5.40	5.76	6.21	10.1	8.54	7.48	5.16	4.17	3.06	2.64	2.26	22
23	4.78	5.40	5.76	6.21	9.84	8.60	7.20	5.34	4.30	2.98	2.47	2.21	23
24	4.87	5.38	5.36	6.13	9.78	8.69	7.02	5.34	4.07	2.83	2.83	2.23	24
25	4.86	5.37	5.41	6.32	9.78	8.78	6.88	5.19	4.02	2.78	2.87	2.20	25
26	4.81	5.44	5.58	6.38	9.78	8.84	7.01	4.84	3.87	2.83	2.80	2.15	26
27	4.88	5.84	5.42	6.43	9.80	8.38	6.88	4.77	3.82	2.88	2.40	2.15	27
28	4.88	5.48	5.58	6.48	9.78	8.44	6.88	4.74	3.80	2.87	2.38	2.08	28
29	4.86	5.38	5.81	6.68	9.80	8.50	6.71	4.82	4.11	2.85	2.40	2.00	29
30	4.83		5.88	6.85	9.12	8.68	6.80	4.78	3.98	2.44	2.32	2.01	30
31	4.83		5.78		8.82		6.73	4.73		2.47		1.98	31
TOTAL	148.07	148.81	173.40	189.84	317.38	274.84	232.04	169.17	128.84	98.85	74.84	68.36	TOTAL
MEAN	4.71	5.12	5.59	6.33	10.2	9.16	7.48	5.48	4.32	3.13	2.48	2.21	MEAN
MAX	4.83	5.84	5.88	6.88	11.2	10.3	8.44	6.48	4.80	3.73	2.77	2.47	MAX
MIN	4.62	4.87	5.36	5.87	7.97	8.36	6.80	4.73	3.80	2.44	2.32	1.98	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.52
MAXIMUM DAILY, 11.2 ON MAY 6
MINIMUM DAILY, 1.98 ON DEC 31
MAXIMUM INSTANTANEOUS,
11.8 AT 18:40 CST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 47 20 N
LONG 99 58 10 W
DRAINAGE AREA, 3 250 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	13 800	JUL	20 000
FEB	13 800	AUG	14 800
MAR	15 000	SEP	11 200
APR	18 400	OCT	8 380
MAY	27 400	NOV	6 440
JUN	23 700	DEC	5 910

TOTAL DISCHARGE, 174 000 dam³

GRASSMERE CREEK DRAIN NEAR MIDDLECHURCH - STATION NO. 05OJ017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2058	0	0.107	0.027	0	0	0	---	---	1
2	---	---	0 B	1.48 B	0	0.111	0.033	0	0	0	---	---	2
3	---	---	0 B	3.38 B	0	0.098	0.018	0	0	0	---	---	3
4	---	---	0 B	4.72 B	0	0.094	0.010	0	0	0	---	---	4
5	---	---	0 B	3.35 B	0	0.088	0.007	0	0	0	---	---	5
6	---	---	0 B	1.80 B	0	0.084	0.008	0	0	0	---	---	6
7	---	---	0 B	1.13 B	0	0.084	0.011	0	0	0	---	---	7
8	---	---	0.0038	0.886	0	0.080	0.004	0	0	0	---	---	8
9	---	---	0.0838	0.188	0	0.079	0	0	0	0	---	---	9
10	---	---	0.0818	0.080	0	0.071	0	0	0	0	---	---	10
11	---	---	0.0838	0.058	0	0.067	0	0	0	0	---	---	11
12	---	---	0.0838	0.030	0	0.068	0	0	0	0	---	---	12
13	---	---	0.0838	0.018	0	0.068	0	0	0	0	---	---	13
14	---	---	0.0408	0.012	0	0.068	0	0	0	0	---	---	14
15	---	---	0.0288	0.008	0	0.068	0	0	0	0	---	---	15
16	---	---	0.0218	0.007	0	0.058	0	0	0	0	---	---	16
17	---	---	0.0148	0.005	0	0.055	0	0	0	0	---	---	17
18	---	---	0.0128	0.004	0	0.078	0	0	0	0	---	---	18
19	---	---	0.0088	0.003	0	0.048	0	0	0	0	---	---	19
20	---	---	0.0078	0.001	0	0.048	0	0	0	0	---	---	20
21	---	---	0.0118	0	0	0.047	0	0	0	0	---	---	21
22	---	---	0.0218	0	0	0.038	0	0	0	0	---	---	22
23	---	---	0.0468	0	0	0.045	0	0	0	0	---	---	23
24	---	---	0.0428	0	0	0.050	0	0	0	0	---	---	24
25	---	---	0.0378	0	0	0.040	0	0	0	0	---	---	25
26	---	---	0.0318	0	0	0.030	0	0	0	0	---	---	26
27	---	---	0.0278	0	0.030A	0.033	0	0	0	0	---	---	27
28	---	---	0.0238	0	0.592	0.038	0	0	0	0	---	---	28
29	---	---	0.0198	0	0.548	0.028	0	0	0	0	---	---	29
30	---		0.0178	0	0.274	0.028	0	0	0	0	---	---	30
31	---		0.0158		0.147		0	0		0		---	31
TOTAL	---	---	0.779	17.124	1.592	1.858	0.108	0	0	0	---	---	TOTAL
MEAN	---	---	0.025	0.571	0.051	0.062	0.003	0	0	0	---	---	MEAN
MAX	---	---	0.081	4.72	0.592	0.111	0.027	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0.028	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 4.720 ON APR 4
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 08 N
LONG 97 07 01 W
DRAINAGE AREA, 471 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	9.18
FEB	---	AUG	0
MAR	67.3	SEP	0
APR	1 480	OCT	0
MAY	138	NOV	---
JUN	166	DEC	---

TOTAL DISCHARGE, 1 880 dam³

REMARKS - PRIOR TO 1988, PUBLISHED AS "GRASSMERE DRAIN"

GULL LAKE AT SHERWOOD - STATION NO. 05UA001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	283.113E	283.108E	283.076E	---	---	---	1
2	---	---	---	---	---	---	283.108	283.158	283.073	---	---	---	2
3	---	---	---	---	---	---	283.103E	283.153E	283.068E	---	---	---	3
4	---	---	---	---	---	---	283.098	283.148	283.068	---	---	---	4
5	---	---	---	---	---	---	283.123E	283.148E	283.068E	---	---	---	5
6	---	---	---	---	---	---	283.148	283.143	283.063	283.088	---	---	6
7	---	---	---	---	---	---	283.151E	283.148	283.048E	---	---	---	7
8	---	---	---	---	---	---	283.153	283.143	283.043	---	---	---	8
9	---	---	---	---	---	---	283.153E	283.132	283.038E	---	---	---	9
10	---	---	---	---	---	283.188	283.183	283.132	283.033	---	---	---	10
11	---	---	---	---	---	283.198E	283.188E	283.128E	283.048E	---	---	---	11
12	---	---	---	---	---	283.188	283.188	283.117	283.068	---	---	---	12
13	---	---	---	---	---	283.183E	283.183	283.110E	283.088E	---	---	---	13
14	---	---	---	---	---	283.188	283.178E	283.102	283.088	---	---	---	14
15	---	---	---	---	---	283.188E	283.188	283.087	---	---	---	---	15
16	---	---	---	---	---	283.188	283.188E	283.087E	---	---	---	---	16
17	---	---	---	---	---	283.188E	283.188	283.077	---	---	---	---	17
18	---	---	---	---	---	283.183E	283.188E	283.070E	---	---	---	---	18
19	---	---	---	---	---	283.180E	283.183	283.082	---	283.088	---	---	19
20	---	---	---	---	283.238	283.148	283.203	283.088E	---	283.083E	---	---	20
21	---	---	---	---	---	283.143E	283.203E	283.088	---	283.088E	---	---	21
22	---	---	---	---	---	283.138	283.203	283.071E	---	283.088E	---	---	22
23	---	---	---	---	---	283.138E	283.188E	283.078E	---	283.084E	---	---	23
24	---	---	---	---	---	283.138	283.173	283.076	---	283.083	---	---	24
25	---	---	---	---	---	283.138E	283.171E	283.073E	---	283.088E	---	---	25
26	---	---	---	---	---	283.133	283.168	283.088	---	283.087	---	---	26
27	---	---	---	---	---	283.131E	283.168E	283.071E	---	283.088E	---	---	27
28	---	---	---	---	---	283.128	283.168	283.078E	---	283.083E	---	---	28
29	---	---	---	---	---	283.123E	283.170E	283.076	---	283.084	---	---	29
30	---		---	---	---	283.118	283.171E	283.078E	---	---	---	---	30
31	---		---		---		283.173	283.076		---		---	31
MEAN	---	---	---	---	---	---	283.180	283.103	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	283.203	283.188	---	---	---	---	MAX
MIN	---	---	---	---	---	---	283.098	283.082	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 24 58 N
LONG 98 31 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA, 0.14 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GUNISAO RIVER ABOVE DIAMOND RAPIDS - STATION NO. 05UA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.078	3.628	2.988	2.478	8.348	38.8	14.2	7.48	4.82	5.88	4.88	3.32	1
2	4.848	3.788	2.838	2.588	10.3 B	38.1	13.8	7.24	4.76	5.87	4.48	3.28	2
3	4.908	3.748	2.818	2.008	11.8 B	38.3	13.2	7.48	4.83	5.78	4.28	3.21	3
4	4.078	3.718	2.888	2.878	13.1 B	38.5	13.0	7.84	4.33	5.78	4.21	3.11	4
5	4.848	3.888	2.888	2.788	16.4 B	38.3	12.8	7.48	4.17	5.78	4.20	3.12	5
6	4.888	3.888	2.838	2.888	18.8	37.8	12.3	7.38	4.08	5.88	4.22	3.03	6
7	4.768	3.828	2.768	2.888	20.8	28.2	12.2	6.87	3.98	5.88	4.22	2.81	7
8	4.888	3.808	2.768	3.008	26.0	26.4	12.1	6.71	3.82	6.11	4.22	2.88	8
9	4.848	3.878	2.708	3.188	27.7	23.8	11.8	6.88	4.17	6.03	4.13	2.84	9
10	4.818	3.848	2.878	3.278	28.4	22.8	11.4	6.36	4.38	5.80	4.14	2.81	10
11	4.888	3.818	2.888	3.488	30.8	21.8	11.0	6.08	4.02	5.78	4.17	2.78	11
12	4.828	3.488	2.828	3.848	30.7	20.8	10.8	5.88	4.07	5.70	4.14	2.72	12
13	4.488	3.438	2.808	3.868	31.1	19.8	10.4	5.84	4.24	5.77	4.13	2.72	13
14	4.488	3.408	2.878	3.828	31.1	18.8	9.87	5.88	4.14	5.70	4.07	2.87	14
15	4.388	3.488	2.988	3.988	30.7	18.4	10.1	5.81	4.15	5.78	3.93	2.88	15
16	4.388	3.378	2.828	4.188	30.4	18.8	10.4	5.40	3.82	5.88	3.83	2.82	16
17	4.328	3.388	2.488	4.288	30.3	18.8	10.1	5.38	3.88	5.38	3.81	2.88	17
18	4.288	3.328	2.478	4.828	29.8	18.7	10.1	5.11	3.83	5.20	3.78	2.81	18
19	4.228	3.308	2.448	4.888	30.7	18.3	10.1	4.88	3.78	5.31	3.83	2.80	19
20	4.208	3.278	2.428	4.888	30.8	17.8	10.3	4.88	3.70	5.15	3.78	2.87	20
21	4.188	3.248	2.388	5.188	31.1	17.8	9.88	4.78	3.78	5.04	3.81	2.87	21
22	4.138	3.188	2.378	5.448	30.8	18.3	9.73	5.33	4.41	5.14	3.77	2.87	22
23	4.108	3.178	2.278	5.888	28.8	18.3	8.32	5.31	4.78	5.22	3.88	2.38	23
24	4.078	3.148	2.278	6.058	28.8	18.8	8.87	5.21	4.77	5.32	3.73	2.33	24
25	4.038	3.118	2.278	6.348	28.8	18.8	8.48	5.21	4.81	5.12	3.48	2.31	25
26	3.988	3.088	2.278	6.748	28.2	15.8	8.80	5.11	4.78	4.88	3.20	2.33	26
27	3.988	3.088	2.278	7.188	27.7	15.3	8.21	4.87	4.73	4.83	3.18	2.28	27
28	3.838	3.048	2.288	7.488	27.3	15.8	8.80	5.00	4.81	4.80	3.18	2.88	28
29	3.888	3.018	2.288	8.028	28.8	15.4	8.28	5.11	5.17	4.72	3.18	2.71	29
30	3.848		2.428	8.578	27.7	14.7	7.81	5.88	5.41	4.88	3.18	2.87	30
31	3.888		2.448		28.8		7.87	4.77		4.48		2.84	31
TOTAL	135.88	98.88	78.84	135.88	808.78	817.2	328.27	181.88	128.72	168.18	118.48	84.38	TOTAL
MEAN	4.38	3.40	2.58	4.53	26.8	28.8	10.8	5.88	4.32	5.43	3.88	2.72	MEAN
MAX	4.87	3.82	2.88	8.57	31.1	38.8	14.2	7.84	5.41	8.11	4.88	3.28	MAX
MIN	3.88	3.01	2.37	2.47	8.34	14.7	7.87	4.78	3.78	4.48	3.18	2.28	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.87
MAXIMUM DAILY, 31.1 ON MAY 13
MINIMUM DAILY, 2.28 ON DEC 27
MAXIMUM INSTANTANEOUS,
31.8 AT 18:00 CST ON MAY 21

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 10 N
LONG 97 40 30 W
DRAINAGE AREA, 4 500 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	11 700	JUL	28 100
FEB	8 510	AUG	15 700
MAR	8 000	SEP	11 200
APR	11 700	OCT	14 500
MAY	69 800	NOV	10 100
JUN	83 300	DEC	7 280

TOTAL DISCHARGE, 249 000 dam³

HAYES RIVER BELOW GODS RIVER - STATION NO. 04AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	279B	236B	212B	198B	210B	---	565	432	334	318	264B	186B	1
2	277B	235B	211B	198B	210B	---	559	439	326	319	263B	184B	2
3	276B	234B	211B	198B	226B	---	545	458	323	319	260B	183B	3
4	274B	233B	210B	198B	270B	---	541	472	313	316	257B	181B	4
5	270B	232B	210B	198B	765B	---	531	462	306	313	254B	180B	5
6	268B	231B	209B	198B	1 620B	---	520	465	301	308	252B	185B	6
7	266B	230B	208B	197B	2 760B	---	507	477	295	306	249B	186B	7
8	267B	228B	206B	197B	2 700B	---	502	485	290	305	246B	185B	8
9	266B	228B	206B	197B	2 570B	---	508	459	286	302	245B	184B	9
10	264B	227B	207B	198B	2 430B	---	504	450	285	301	242B	181B	10
11	263B	226B	207B	196B	---	---	501	425	288	301	240B	180B	11
12	262B	225B	206B	196B	---	---	502	435	280	298	237B	178B	12
13	260B	224B	206B	196B	---	---	506	436	273	293	234B	176B	13
14	258B	223B	205B	196B	---	---	491	433	273	289	233B	175B	14
15	257B	222B	205B	196B	---	---	472	429	275	285	230B	174B	15
16	256B	221B	204B	196B	---	---	465	421	275	283	227B	173B	16
17	254B	221B	204B	196B	---	---	455	412	276	281	226B	171B	17
18	252B	220B	203B	195B	---	---	450	400	277	281	222B	170B	18
19	251B	220B	202B	195B	---	---	448	388	276	280	221B	168B	19
20	250B	219B	202B	195B	---	---	445	372	276	278	218B	166B	20
21	249B	218B	202B	195B	---	852A	440	362	276	283	215B	165B	21
22	248B	218B	202B	195B	---	815	437	351	276	277	213B	164B	22
23	246B	217B	202B	195B	---	795	442	341	288	279B	210B	163B	23
24	246B	217B	201B	195B	---	758	440	337	292	281B	208B	161B	24
25	245B	216B	201B	195B	---	731	432	339	303	282B	206B	160B	25
26	243B	215B	201B	196B	---	704	427	341	319	281B	205B	159B	26
27	242B	214B	201B	195B	---	684	422	342	322	279B	203B	158B	27
28	240B	213B	200B	200B	---	658	419	342	321	277B	201B	155B	28
29	239B	212B	200B	203B	---	629	421	342	319	274B	199B	154B	29
30	238B		200B	205B	---	605	415	341	318	270B	198B	153B	30
31	237B		199B		---		424	337		267B		151B	31
TOTAL	7 947	6 476	6 349	5 911	---	---	14 767	12 554	8 887	9 028	6 876	5 363	TOTAL
MEAN	256	223	205	197	---	---	476	405	296	291	229	173	MEAN
MAX	279	236	212	205	---	---	565	485	334	319	264	186	MAX
MIN	237	212	199	195	---	---	415	337	273	267	198	151	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 151B ON DEC 31

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 25 55 N
LONG 92 47 19 W
DRAINAGE AREA, 103 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	687 000	JUL	1 280 000
FEB	560 000	AUG	1 080 000
MAR	549 000	SEP	768 000
APR	511 000	OCT	780 000
MAY	---	NOV	594 000
JUN	---	DEC	463 000

HAYES RIVER BELOW TROUT FALLS - STATION NO. 04AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.1B	10.4B	11.5B	14.3B	25.0B	64.5	60.2	36.7	24.6	22.3E	15.8	10.3 B	1
2	11.1B	10.4B	11.6B	14.5B	27.6B	66.3E	60.2	36.1	24.4	22.1E	15.6B	10.2 B	2
3	11.0B	10.5B	11.7B	14.6B	31.2	69.3E	60.6	35.6	23.9	22.0E	15.3B	10.1 B	3
4	10.9B	10.5B	11.7B	14.7B	33.3	71.0E	57.9	35.9	23.7	21.8E	15.1B	9.99B	4
5	10.9B	10.5B	11.8B	14.8B	35.9	71.2	56.5	37.2	23.3	21.7E	14.9B	9.86B	5
6	10.9B	10.5B	11.9B	15.0B	38.4	67.6	55.5	38.0	23.0	21.6A	14.7B	9.74B	6
7	10.8B	10.5B	12.0B	15.1B	41.0	67.0	55.1	35.7	22.6	21.0	14.5B	9.66B	7
8	10.8B	10.5B	12.0B	15.3B	42.7	71.7	57.7	37.1	22.5	20.6	14.2B	9.52B	8
9	10.7B	10.6B	12.1B	15.5B	44.3	72.8	58.7	36.3	24.6	21.2	14.0B	9.44B	9
10	10.7B	10.6B	12.2B	15.6B	46.3	75.1	56.4	35.8	25.3A	21.2	13.8B	9.30B	10
11	10.7B	10.7B	12.3B	15.8B	48.3	70.8	55.0	34.3	25.6E	19.7	13.6B	9.22B	11
12	10.6B	10.7B	12.3B	16.1B	48.3	69.1	53.4	32.7	25.6E	19.5	13.4B	9.13B	12
13	10.6B	10.7B	12.4B	16.2B	49.9	72.4	48.7	31.6	25.6E	19.5	13.2B	9.04B	13
14	10.5B	10.8B	12.5B	16.5B	51.4	74.3	44.9	31.9	25.3E	19.6	13.0B	8.95B	14
15	10.5B	10.8B	12.6B	16.7B	51.3	73.0	45.2	31.5	25.2E	19.5	12.8B	8.86B	15
16	10.4B	10.8B	12.7B	16.9B	53.6	75.5	44.8	31.8	25.0E	19.6	12.7B	8.73B	16
17	10.4B	10.9B	12.8B	17.0B	55.4	75.7	44.1	31.4	24.4E	19.2	12.4B	8.64B	17
18	10.4B	11.0B	12.8B	17.3B	55.8	74.8	44.3	30.8	24.4E	19.0	12.3B	8.60B	18
19	10.4B	11.0B	12.9B	17.4B	58.3	74.0	43.2	30.2	24.3E	19.1	12.1B	8.51B	19
20	10.4B	11.1B	13.1B	17.7B	57.7	72.1	42.8	28.7	24.0E	19.4	11.9B	8.42B	20
21	10.4B	11.1B	13.2B	17.9B	60.3	70.9	41.0	28.7	23.8E	19.8	11.7B	8.34B	21
22	10.4B	11.1B	13.3B	18.2B	60.8	68.5	40.4	27.1	23.7E	19.5	11.6B	8.29B	22
23	10.4B	11.2B	13.4B	18.4B	61.9	68.2	40.0	28.7	23.4E	19.5	11.5B	8.20B	23
24	10.4B	11.2B	13.5B	18.7B	63.1	68.2	39.5	27.6	23.3E	19.4	11.3B	8.12B	24
25	10.4B	11.2B	13.6B	18.9B	63.0	65.9	38.6	27.8	23.1E	19.8	11.1B	8.07B	25
26	10.4B	11.3B	13.7B	19.3B	64.1	67.4	38.3	27.7	23.0E	19.4	11.0B	7.98B	26
27	10.4B	11.4B	13.7B	19.7B	63.0	67.3	38.7	27.8	22.9E	19.2	10.9B	7.90B	27
28	10.4B	11.4B	13.8B	20.4B	64.1	63.6	38.3	26.4	22.7E	18.7	10.7B	7.85B	28
29	10.4B	11.5B	13.9B	22.0B	64.6	63.6	38.2	25.5	22.6E	17.2	10.6B	7.81B	29
30	10.4B		14.1B	23.3B	64.7	63.5	37.6	25.1	22.5E	16.6	10.4B	7.76B	30
31	10.4B		14.2B		62.9		37.0	24.8		16.1		7.72B	31
TOTAL	328.3	314.9	395.2	513.9	1 583.2	2 085.1	1 472.3	976.4	718.5	612.6	386.1	274.24	TOTAL
MEAN	10.6	10.9	12.7	17.1	51.1	69.5	47.5	31.5	24.0	19.8	12.9	8.85	MEAN
MAX	11.1	11.5	14.2	23.3	64.7	75.7	60.6	38.0	25.6	22.3	15.8	10.3	MAX
MIN	10.4	10.4	11.5	14.3	25.0	63.5	37.0	24.8	22.5	16.1	10.4	7.72	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.4
MAXIMUM DAILY, 75.7 ON JUN 17
MINIMUM DAILY, 7.72B ON DEC 31
MAXIMUM INSTANTANEOUS,
77.1 AT 15:00 CST ON JUN 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 51 23 N
LONG 95 07 12 W
DRAINAGE AREA, 8 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	28 400	JUL	127 000
FEB	27 200	AUG	84 400
MAR	34 100	SEP	62 100
APR	44 400	OCT	52 900
MAY	137 000	NOV	33 400
JUN	181 000	DEC	23 700

TOTAL DISCHARGE, 835 000 dam³

HIDDEN ISLAND COULEE NEAR HANSBORO - STATION NO. 05GA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0.011	0	0	0	0	0	0	0	0	2
3	0	0	0	0.048	0	0	0	0	0	0	0	0	3
4	0	0	0	0.054	0	0	0	0	0	0	0	0	4
5	0	0	0	0.045	0	0	0	0	0	0	0	0	5
6	0	0	0	0.034	0	0	0	0	0	0	0	0	6
7	0	0	0	0.025	0	0	0	0	0	0	0	0	7
8	0	0	0	0.020	0	0	0	0	0	0	0	0	8
9	0	0	0	0.012	0	0	0	0	0	0	0	0	9
10	0	0	0	0.008	0	0	0	0	0	0	0	0	10
11	0	0	0	0.005	0	0	0	0	0	0	0	0	11
12	0	0	0	0.004	0	0	0	0	0	0	0	0	12
13	0	0	0	0.003	0	0	0	0	0	0	0	0	13
14	0	0	0	0.002	0	0	0	0	0	0	0	0	14
15	0	0	0	0.001	0	0	0	0	0	0	0	0	15
16	0	0	0	0.001	0	0	0	0	0	0	0	0	16
17	0	0	0	0.001	0	0	0	0	0	0	0	0	17
18	0	0	0	0	0	0	0	0	0	0	0	0	18
19	0	0	0	0	0	0	0	0	0	0	0	0	19
20	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	0	0	21
22	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	0	0	0	0	0	0	0	0	23
24	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0		0	0	0	0	0	0	0	0	0	0	30
31	0		0		0		0			0		0	31
TOTAL	0	0	0	0.274	0	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0	0.009	0	0	0	0	0	0	0	0	MEAN
MAX	0	0	0	0.054	0	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.054 ON APR 4
MINIMUM DAILY, 0 ON JAN 1
MAXIMUM INSTANTANEOUS,
0.130 AT 00:45 CST ON APR 4

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 57 10 N
LONG 99 28 35 W
DRAINAGE AREA, 65.1 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	0	SEP	0
APR	23.7	OCT	0
MAY	0	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 23.7 dam³

ICELANDIC RIVER NEAR RIVERTON - STATION NO. 05BC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1020	0.6870 E	0.347	0.313	0.188	0.098	0.118	0.138	0.140A	---	1
2	---	---	0.0888	0.6280 E	0.440	0.296	0.182	0.118	0.108	0.138	---	---	2
3	---	---	0.0708	3.87 E	0.880	0.852	0.170	0.112	0.100	0.128	---	---	3
4	---	---	0.1108	10.8 E	0.817	0.734	0.184	0.108	0.080	0.123	---	---	4
5	---	---	0.1088	15.8 E	0.478	0.585	0.188	0.144	0.088	0.124	---	---	5
6	---	---	0.1048	11.8 E	0.415	0.388	0.187	0.181	0.088	0.208	---	---	6
7	---	---	0.1088	9.38 E	0.427	0.284	0.245	0.151	0.085	0.244	---	---	7
8	---	---	0.1028	8.07 E	0.887	0.187	0.382	0.118	0.045	0.171	---	---	8
9	---	---	0.0878	4.38 E	4.66	0.188	0.708	0.098	0.042	0.140	---	---	9
10	---	---	0.0898	3.28 E	3.31	0.138	0.817	0.071	0.044	0.128	---	---	10
11	---	---	0.1088	2.87 E	2.41	0.103	0.822	0.088	0.088	0.128A	---	---	11
12	---	---	0.1558	3.02 E	1.82	0.107	0.438	0.089	0.085	0.114A	---	---	12
13	---	---	0.2778	2.03 E	1.70	0.088	0.380	0.071	0.178	0.112A	---	---	13
14	---	---	0.4158	1.84 E	1.47	0.080	0.385	0.078	0.250	0.110A	---	---	14
15	---	---	0.4898	1.73 E	1.33	0.102	0.172	0.081	0.213	0.112A	---	---	15
16	---	---	0.5138	1.68	1.19	0.088	0.270	0.082	0.182	0.138A	---	---	16
17	---	---	0.4838	0.808	1.12	0.099	0.388	0.082	0.141	0.182A	---	---	17
18	---	---	0.2028	0.885	0.988	0.180	0.328	0.078	0.123	0.188A	---	---	18
19	---	---	0.1388	0.858	0.885	0.184	0.301	0.088	0.117	0.188A	---	---	19
20	---	---	0.0518	0.481	0.827	0.188	0.218	0.104	0.188	0.180A	---	---	20
21	---	---	0.1188	0.445	0.858	0.134	0.122	0.108	0.384	0.178A	---	---	21
22	---	---	0.0848	0.407	0.284	0.112	0.088	0.118	0.288	0.187A	---	---	22
23	---	---	0.1388	0.381	0.584	0.105	0.033	0.118	0.182	0.178A	---	---	23
24	---	---	0.3678	0.388	0.857	0.140	0.007	0.118	0.180	0.170A	---	---	24
25	---	---	0.8888	0.387	0.842	0.188	0.042	0.108	0.148	0.187A	---	---	25
26	---	---	0.8678	0.413	0.802	0.177	0.108	0.122	0.128	0.288A	---	---	26
27	---	---	1.07 E	0.414	0.828	0.247	0.117	0.121	0.121	0.712A	---	---	27
28	---	---	1.13 E	0.387	0.827	0.248	0.131	0.134	0.118	0.327A	---	---	28
29	---	---	1.20 E	0.883	0.877	0.238	0.121	0.188	0.200	0.228A	---	---	29
30	---		1.14 E	0.884	0.458	0.181	0.108	0.148	0.184	0.184A	---	---	30
31	---		0.9728		0.393		0.114	0.134		0.148A		---	31
TOTAL	---	---	11.888	82.818	32.898	8.884	7.818	3.388	3.851	5.738	---	---	TOTAL
MEAN	---	---	0.378	2.78	1.05	0.320	0.242	0.108	0.122	0.185	---	---	MEAN
MAX	---	---	1.20	15.8	4.88	0.734	0.817	0.181	0.384	0.713	---	---	MAX
MIN	---	---	0.070	0.883	0.284	0.080	0.007	0.088	0.042	0.110	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.828
MAXIMUM DAILY, 15.8 ON APR 5
MINIMUM DAILY, 0.007 ON JUL 24
MAXIMUM INSTANTANEOUS,
16.0 AT 01:37 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 35 N
LONG 97 02 10 W
DRAINAGE AREA, 1 440 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	849
FEB	---	AUG	292
MAR	1 010	SEP	341
APR	7 180	OCT	498
MAY	2 810	NOV	---
JUN	871	DEC	---

TOTAL DISCHARGE, 13 300 dam³

ISLAND LAKE NEAR ISLAND LAKE - STATION NO. 04AC002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	228.027	227.978	227.921	227.874	227.876	228.182	228.220	228.085	227.900	227.788	227.709	227.688	1
2	228.030	227.977	227.916	227.878	227.883	228.215	228.218	228.082	227.889	227.785	227.718	227.680	2
3	228.026	227.973	227.918	227.874	227.889	228.208	228.218	228.053	227.890	227.781	227.697	227.688	3
4	228.021	227.968	227.915	227.877	227.895	228.214	228.203	228.060	227.882	227.761	227.706	227.688	4
5	228.018	227.966	227.915	227.878	227.901	228.226	228.210	228.052	227.886	227.762	227.700	227.680	5
6	228.019	227.965	227.914	227.874	227.910	228.238	228.201	228.047	227.872	227.761	227.698	227.682	6
7	228.018	227.963	227.911	227.873	227.922	228.248	228.193	227.998	227.856	227.762	227.702	227.688	7
8	228.014	227.962	227.909	227.876	227.926	228.238	228.182	227.998	227.842	227.760	227.685	227.681	8
9	228.012	227.959	227.908	227.876	227.946	228.242	228.174	228.002	227.826	227.753	227.674	227.681	9
10	228.008	227.958	227.906	227.877	227.952	228.245	228.167	227.995	227.806	227.744	227.684	227.679	10
11	228.004	227.960	227.898	227.875	227.962	228.250	228.171	227.972	227.822	227.769	227.690	227.683	11
12	228.002	227.958	227.895	227.874	227.968	228.255	228.172	227.990	227.837	227.758	227.689	227.688	12
13	227.998	227.957	227.892	227.870	227.978	228.249	228.166	227.986	227.804	227.753	227.689	227.688	13
14	228.003	227.952	227.890	227.863	227.988	228.249	228.156	227.983	227.780	227.756	227.685	227.682	14
15	228.007	227.955	227.891	227.866	227.986	228.247	228.153	227.987	227.789	227.748	227.698	227.680	15
16	228.009	227.951	227.888	227.864	227.995	228.247	228.145	227.983	227.821	227.740	227.686	227.685	16
17	228.004	227.952	227.885	227.868	228.004	228.254	228.141	227.974	227.821	227.739	227.682	227.684	17
18	228.003	227.950	227.879	227.859	228.009	228.258	228.148	227.967	227.808	227.736	227.682	227.686	18
19	227.998	227.945	227.874	227.856	228.021	228.244	228.136	227.968	227.810	227.728	227.685	227.687	19
20	227.998	227.940	227.873	227.851	228.031	228.262	228.133	227.968	227.811	227.733	227.692	227.688	20
21	227.994	227.943	227.876	227.854	228.040	228.261	228.139	227.983	227.810	227.712	227.683	227.685	21
22	227.994	227.939	227.879	227.855	228.043	228.260	228.128	227.951	227.811	227.744	227.692	227.684	22
23	227.994	227.938	227.878	227.855	228.045	228.247	228.106	227.938	227.781	227.725	227.697	227.687	23
24	227.988	227.938	227.875	227.853	228.058	228.249	228.093	227.923	227.780	227.710	227.682	227.692	24
25	227.986	227.936	227.867	227.854	228.060	228.236	228.104	227.912	227.788	227.696	227.693	227.691	25
26	227.983	227.934	227.869	227.854	228.083	228.241	228.101	227.914	227.789	227.708	227.694	227.692	26
27	227.981	227.932	227.870	227.854	228.102	228.240	228.095	227.907	227.788	227.712	227.689	227.689	27
28	227.981	227.928	227.874	227.859	228.113	228.241	228.087	227.908	227.788	227.690	227.686	227.687	28
29	227.981	227.926	227.876	227.860	228.124	228.238	228.073	227.908	227.788	227.704	227.686	227.687	29
30	227.978		227.875	227.867	228.140	228.226	228.069	227.911	227.789	227.712	227.686	227.688	30
31	227.981		227.874		228.180		228.046	227.907		227.718		227.684	31
MEAN	228.002	227.952	227.890	227.865	228.002	228.240	228.148	227.974	227.823	227.743	227.693	227.687	MEAN
MAX	228.030	227.978	227.921	227.878	228.180	228.262	228.220	228.085	227.900	227.788	227.718	227.692	MAX
MIN	227.978	227.926	227.867	227.851	227.876	228.182	228.046	227.906	227.780	227.690	227.674	227.679	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 227.918
MAXIMUM DAILY, 228.262 ON JUN 20
MINIMUM DAILY, 227.674 ON NOV 9
MAXIMUM INSTANTANEOUS,
228.280 AT 06:17 CST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 00 N
LONG 94 40 25 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

ISLAND LAKE RIVER NEAR ISLAND LAKE - STATION NO. 04AC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	64.2	58.7	52.3	47.5	47.3	85.9	90.2	68.9	49.9	37.9	29.7	28.3	1
2	64.5	58.5	51.7	47.3	48.1	88.3	90.0	68.6	48.6	37.5	30.3	28.4	2
3	64.0	57.9	51.7	47.0	48.7	87.3	89.5	67.3	48.9	37.1	28.8	28.3	3
4	63.4	57.3	51.6	47.4	49.4	88.2	87.4	67.0	48.0	37.1	28.6	28.4	4
5	63.1	57.2	51.6	47.3	50.1	91.2	88.5	67.3	48.3	37.1	29.0	28.4	5
6	63.2	57.1	51.6	47.1	51.0	93.3	87.0	68.7	45.6	37.0	28.8	28.5	6
7	63.2	57.0	51.2	47.0	52.5	94.6	84.5	60.6	46.2	37.1	29.3	28.1	7
8	62.8	56.9	50.9	47.3	53.9	93.3	84.4	60.6	43.5	36.9	28.7	27.9	8
9	62.4	56.5	50.8	47.1	55.1	93.8	83.2	61.3	42.1	36.1	27.4	27.9	9
10	62.0	56.5	50.5	47.4	55.6	94.4	82.2	60.6	39.7	33.1	28.0	27.8	10
11	61.5	56.7	49.7	47.2	56.8	95.2	82.7	58.0	41.5	34.7	28.4	28.0	11
12	61.3	56.5	49.4	47.0	57.6	96.0	82.6	59.9	43.0	34.5	28.9	28.4	12
13	60.9	56.3	49.1	46.5	58.5	95.0	82.0	58.7	39.5	34.0	28.4	28.3	13
14	61.3	56.6	48.8	45.9	59.8	95.1	80.6	58.2	37.0	34.3	28.1	27.9	14
15	61.8	56.0	48.8	46.2	58.8	94.8	80.1	59.6	37.9	33.6	28.7	27.8	15
16	62.1	55.8	48.4	45.9	60.8	94.7	79.0	59.2	41.3	32.7	29.1	28.1	16
17	61.5	55.8	48.4	45.5	61.5	95.9	78.5	56.2	41.4	32.6	27.8	28.1	17
18	61.4	55.8	47.8	45.4	62.1	96.9	79.2	57.4	40.1	32.5	28.5	28.3	18
19	60.9	55.0	47.0	45.1	63.4	94.2	78.1	57.3	40.2	31.5	28.7	28.3	19
20	60.6	54.4	47.0	44.6	64.7	97.2	77.4	57.2	40.2	32.1	28.8	28.1	20
21	60.4	54.7	47.2	44.9	65.6	97.1	76.8	57.0	40.2	30.2	28.8	28.1	21
22	60.4	54.3	47.5	45.0	66.2	96.1	75.6	55.7	40.2	33.1	28.5	28.2	22
23	60.4	54.0	47.2	45.0	66.4	94.6	74.1	54.2	38.1	31.2	28.6	28.2	23
24	59.7	53.9	47.2	44.6	68.3	95.0	72.4	52.5	38.0	29.6	28.5	28.5	24
25	59.6	53.8	46.3	44.6	70.7	93.2	73.6	51.3	37.9	28.6	28.8	28.5	25
26	59.2	53.6	46.5	44.5	72.3	93.7	73.4	51.5	37.5	29.5	28.7	28.5	26
27	59.0	53.5	46.8	44.9	73.6	93.5	72.6	48.7	37.8	30.0	28.3	28.3	27
28	59.0	53.0	47.1	45.5	74.9	93.7	71.7	48.7	37.9	28.4	28.3	28.2	28
29	58.9	52.8	47.5	45.5	76.3	91.7	70.0	49.6	37.9	29.3	28.3	28.2	29
30	58.8		47.2	46.3	78.3	91.0	69.4	51.2	38.0	30.0	28.2	28.1	30
31	58.8		47.1		81.2		66.4	50.7		30.2		28.1	31
TOTAL	1 899.8	1 615.1	1 515.5	1 383.3	1 911.5	2 806.2	2 434.5	1 806.2	1 247.2	1 028.0	858.4	874.2	TOTAL
MEAN	61.3	55.7	48.9	46.1	61.7	93.5	78.5	58.3	41.6	33.2	28.6	28.2	MEAN
MAX	64.5	58.7	52.3	47.5	81.2	97.2	90.2	68.9	49.9	37.9	30.3	28.6	MAX
MIN	58.8	52.8	46.3	44.5	47.3	85.9	66.4	48.7	37.0	28.4	27.4	27.8	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 53.0
MAXIMUM DAILY, 97.2 ON JUN 20
MINIMUM DAILY, 27.4 ON NOV 9
MAXIMUM INSTANTANEOUS,
98.5 AT 06:17 CST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 03 34 N
LONG 94 39 34 W
DRAINAGE AREA, 14 000 km^2

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	164 000	JUL	213 000
FEB	140 000	AUG	156 000
MAR	131 000	SEP	108 000
APR	120 000	OCT	88 800
MAY	165 000	NOV	74 200
JUN	242 000	DEC	75 500

TOTAL DISCHARGE, 1 680 000 dam^3

JACKFISH LAKE NEAR GRANDVIEW - STATION NO. 05LJ007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	895.078	895.083	895.048	895.084	895.613	---	---	---	895.014	894.988	894.388	894.388	1
2	895.078	895.083	895.045	895.087	895.818	---	---	---	895.008	893.893	894.371	894.401	2
3	895.078	895.083	895.045	895.087	895.871	---	---	---	895.008	893.872	894.371	894.386	3
4	895.072	895.080	895.048	895.090	895.880	---	---	---	895.005	894.188	894.374	894.404	4
5	895.072	895.080	895.048	895.088	895.877	---	---	---	895.002	894.288	894.377	894.407	5
6	895.075	895.080	895.048	895.112	895.880	---	---	---	894.998	894.318	894.388	894.404	6
7	895.072	895.080	895.048	895.127	895.938	---	---	---	894.993	894.318	894.388	894.408	7
8	895.072	895.080	895.048	895.142	895.910	---	---	---	894.987	894.322	894.388	894.404	8
9	895.068	895.080	895.048	895.162	895.883	---	---	---	894.977	894.318	894.388	894.401	9
10	895.072	895.080	895.051	895.180	895.858	---	---	---	894.988	894.313	894.383	894.388	10
11	895.088	895.080	895.051	895.180	895.831	---	---	---	894.971	894.313	894.388	894.404	11
12	895.088	895.080	895.051	895.167	895.787	---	---	---	894.971	894.327	894.388	894.404	12
13	895.088	895.080	895.051	895.178	895.761	---	---	---	894.966	894.353	894.386	894.404	13
14	895.088	895.080	895.054	895.182	895.721	---	---	---	894.995	894.358	894.383	894.392	14
15	895.088	895.088	895.054	895.203	895.700	895.170A	---	---	894.982	894.359	894.386	894.404	15
16	895.088	895.083	895.054	895.224	895.857	---	---	---	894.995	894.382	894.382	894.401	16
17	895.082	895.083	895.054	895.237	895.812	---	---	895.005A	894.982	894.362	894.388	894.404	17
18	895.088	895.080	895.054	895.228	895.886	---	---	894.989	894.988	894.362	894.389	894.411	18
19	895.083	895.080	895.054	895.256	895.814	---	---	895.002	894.989	894.385	894.382	894.411	19
20	895.088	895.087	895.057	895.285	895.659	---	---	895.002	894.988	894.389	894.392	894.408	20
21	895.088	895.087	895.057	895.285	895.404	---	---	895.014	894.989	894.386	894.386	894.414	21
22	895.086	895.051	895.060	895.282	895.345	---	---	895.023	894.967	894.382	894.388	894.417	22
23	895.072	895.051	895.057	895.282	895.285	---	---	895.028	894.974	894.383	894.401	894.417	23
24	895.088	895.051	895.057	895.281	895.227	---	---	895.028	894.778	894.383	894.388	894.414	24
25	895.089	895.051	895.063	895.287	895.170	---	---	895.035	894.978	894.383	894.388	894.414	25
26	895.086	895.048	895.075	895.270	895.118	---	---	895.032	894.978	894.388	894.385	894.423	26
27	895.086	895.048	895.075	895.270	895.080A	---	---	895.028	894.414	894.388	894.385	894.423	27
28	895.086	895.048	895.084	895.278	---	---	---	895.030	894.388	894.388	894.401	894.417	28
29	895.083	895.048	895.093	895.282	---	---	---	895.030	894.288	894.388	894.388	894.426	29
30	895.083		895.093	895.284	---	---	---	895.030	894.184	894.388	894.388	894.426	30
31	895.093		895.087		---		---	895.014		894.388		894.423	31
MEAN	895.086	895.068	895.058	895.198	---	---	---	---	894.855	894.307	894.388	894.408	MEAN
MAX	895.078	895.088	895.093	895.284	---	---	---	---	895.014	894.388	894.401	894.426	MAX
MIN	895.083	895.048	895.048	895.084	---	---	---	---	894.184	893.872	894.388	894.392	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 895.980 ON MAY 4
MINIMUM DAILY, 893.872 ON OCT 3

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 58 N
LONG 100 48 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED SINCE 1987

DRAINAGE AREA,
30.3 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1988, PUBLISHED AS "ABOVE JACKFISH LAKE DAM"

JACKSON CREEK NEAR MELITA - STATION NO. 05NP015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0B	0	0	0	0	0	0	---	---	2
3	---	---	0B	0B	0	0	0	0	0	0	---	---	3
4	---	---	0B	0B	0	0	0	0	0	0	---	---	4
5	---	---	0B	0B	0	0	0	0	0	0	---	---	5
6	---	---	0B	0B	0	0	0	0	0	0	---	---	6
7	---	---	0B	0B	0	0	0	0	0	0	---	---	7
8	---	---	0B	0B	0	0	0	0	0	0	---	---	8
9	---	---	0B	0	0	0	0	0	0	0	---	---	9
10	---	---	0B	0	0	0	0	0	0	0	---	---	10
11	---	---	0B	0	0	0	0	0	0	0	---	---	11
12	---	---	0B	0	0	0	0	0	0	0	---	---	12
13	---	---	0B	0	0	0	0	0	0	0	---	---	13
14	---	---	0B	0	0	0	0	0	0	0	---	---	14
15	---	---	0B	0	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---	---	0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0B AT 00:01 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 00 N
LONG 100 57 50 W
DRAINAGE AREA, 480 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

JACKSON LAKE NEAR SYDNEY - STATION NO. 05LL002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	385.804E	385.634E	---	---	---	386.030E	385.770	385.595E	385.298	385.188	385.083	---	1
2	385.875E	385.628E	---	---	---	386.030	385.770	385.583E	385.298E	385.181	385.081	---	2
3	385.852E	385.618E	---	---	---	386.030	385.760	385.580	385.298	385.167E	385.081E	---	3
4	385.828E	385.610	---	---	---	386.030E	385.743E	385.568	385.298	385.153E	385.101	---	4
5	385.800E	385.603E	---	---	---	386.030	385.737E	385.540	385.280E	385.148	385.107E	---	5
6	385.774E	385.698E	---	---	---	386.021E	385.730	385.540	385.261E	385.147	385.113E	---	6
7	385.748	385.688E	---	---	---	386.011E	385.770	385.540	385.243E	385.143	385.118E	---	7
8	385.728E	385.681E	---	---	---	386.002	385.700	385.540	385.224E	385.139	385.125E	---	8
9	385.730E	385.674E	---	---	---	385.998E	385.700	385.510E	385.205	385.137	385.131	---	9
10	385.720E	385.667E	---	---	---	385.994E	385.740	385.540	385.213E	385.129	---	---	10
11	385.711E	385.660E	---	---	---	385.990	385.730	385.510E	385.218E	385.125	---	---	11
12	385.702E	385.653E	---	385.586	---	385.990E	385.730E	385.480	385.225E	385.121	---	---	12
13	385.693E	385.646E	---	385.602E	385.996	385.990	385.730E	385.480	385.231	385.118	---	---	13
14	385.684E	385.639E	---	385.606E	386.011E	385.990E	385.730	385.480	385.221	385.115	---	---	14
15	385.674E	385.631E	385.380	385.614E	386.025E	385.970	385.730	385.480E	385.214E	385.110	---	---	15
16	385.665E	385.624E	---	385.620E	386.038	385.963E	385.730E	385.440	385.208E	385.107	---	---	16
17	385.656E	385.617E	---	385.628E	386.038E	385.957E	385.730	385.433E	385.198E	385.104	---	---	17
18	385.647E	385.610	---	385.632E	386.038	385.950	385.730E	385.427E	385.191	385.100	---	---	18
19	385.637E	---	---	385.638E	386.038E	385.940	385.730	385.420	385.188E	385.095	---	---	19
20	385.628	---	---	385.644	386.039	385.933E	385.720E	385.410E	385.188E	385.091	---	---	20
21	385.620E	---	---	385.649E	386.039	385.927E	385.710E	385.400E	385.188E	385.088	---	---	21
22	385.612E	---	---	385.655E	386.038E	385.920	385.700	385.390E	385.184E	385.088	---	385.242	22
23	385.604E	---	---	385.660E	386.038	385.910	385.700	385.380	385.183E	385.082	385.202	---	23
24	385.597E	---	---	385.665E	386.034E	385.900	385.700	385.370E	385.181	385.075	---	---	24
25	385.588E	---	---	385.670E	386.029	385.885E	385.670	385.380	385.178E	385.071	---	---	25
26	385.581E	---	---	385.676E	386.028E	385.840	385.670E	385.380	385.177E	385.068	---	---	26
27	385.573E	---	---	385.681E	386.028E	385.828E	385.670	385.330	385.178E	385.078	---	---	27
28	385.566E	---	---	385.686	386.029	385.812E	385.660	385.320	385.172E	385.076	---	---	28
29	385.557E	---	---	---	386.028E	385.796E	385.630E	385.315E	385.170E	385.079	---	---	29
30	385.548E		---	---	386.028E	385.784E	385.600	385.310E	385.168E	385.079	---	---	30
31	385.541E		---		386.029		385.598E	385.304E		385.082		---	31
MEAN	385.670	---	---	---	---	385.947	385.714	385.449	385.218	385.111	---	---	MEAN
MAX	385.804	---	---	---	---	386.030	385.770	385.595	385.298	385.188	---	---	MAX
MIN	385.541	---	---	---	---	385.784	385.598	385.304	385.168	385.068	---	---	MIN

SUMMARY FOR THE YEAR 198

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 53 11 N
LONG 98 02 08 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1966

DRAINAGE AREA,
90.9 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - AN AUTOMATIC RECORDER INSTALLED ON THIS SITE OCT. 06, 1988

JOUBERT CREEK AT ST. PIERRE-JOLYS - STATION NO. 05OE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.100B	0.094	0.041	0	0	0.003E	0.001	---	---	1
2	---	---	0 B	0.181B	0.106	0.028	0	0	0.003E	0.001	---	---	2
3	---	---	0.010B	0.537B	0.112	0.021B	0	0	0.003E	0.003	---	---	3
4	---	---	0.020B	0.980B	0.088	0.020E	0	0	0.003E	0.003	---	---	4
5	---	---	0.030B	1.47 B	0.079	0.018E	0.010E	0	0.003E	0.003	---	---	5
6	---	---	0.042B	1.37 B	0.075	0.015E	0.015E	0	0.003E	0.004	---	---	6
7	---	---	0.053B	1.23 B	0.095	0.015E	0.010E	0	0.003E	0.004	---	---	7
8	---	---	0.100B	1.01 B	0.098	0.014E	0.005E	0	0.003E	0.004	---	---	8
9	---	---	0.141B	0.838B	0.116	0.012E	0.002E	0	0.003E	0.005	---	---	9
10	---	---	0.100B	0.688B	0.114	0.010E	0.003E	0	0.002E	0.005	---	---	10
11	---	---	0.080B	0.531B	0.100	0.009E	0.003E	0	0.003E	0.004	---	---	11
12	---	---	0.060B	0.387B	0.087	0.008E	0.022E	0	0.002E	0.004	---	---	12
13	---	---	0.078B	0.315B	0.104	0.008E	0.012E	0.080E	0.002E	0.005	---	---	13
14	---	---	0.088B	0.260B	0.086	0.007A	0	1.02	0.002E	0.005	---	---	14
15	---	---	0.100B	0.220B	0.105	0.006E	0	0.424	0.002E	0.013	---	---	15
16	---	---	0.120B	0.181	0.081	0.005E	0	0.126	0.002E	0.013	---	---	16
17	---	---	0.100B	0.161	0.086	0.005E	0	0.029	0.002E	0.011	---	---	17
18	---	---	0.080B	0.167	0.081	0.004E	0	0.004A	0.003E	0.008	---	---	18
19	---	---	0.080B	0.154	0.180	0.002E	0	0.004E	0.001E	0.002	---	---	19
20	---	---	0.100B	0.133A	0.273	0.001E	0	0.004E	0.001E	0.001	---	---	20
21	---	---	0.110B	0.121	0.212	0	0	0.004E	0.001E	0.001	---	---	21
22	---	---	0.120B	0.088	0.179	0	0	0.004E	0.001E	0.005	---	---	22
23	---	---	0.115B	0.082	0.188	0	0	0.004E	0.001E	0.004	---	---	23
24	---	---	0.115B	0.082	0.143	0	0	0.004E	0.001E	0.001	---	---	24
25	---	---	0.090B	0.080	0.139	0	0	0.004E	0.001E	0.001	---	---	25
26	---	---	0.086B	0.087	0.107	0	0	0.003E	0.001E	0.001	---	---	26
27	---	---	0.080B	0.088	0.108	0	0	0.003E	0.001E	0.002A	---	---	27
28	---	---	0.033B	0.089	0.092	0	0	0.003E	0.001E	0.002B	---	---	28
29	---	---	0.033B	0.093	0.082	0	0	0.003E	0.002	0.002B	---	---	29
30	---		0.060B	0.106	0.087	0	0	0.003E	0.002	0.002B	---	---	30
31	---		0.080B		0.080		0	0.003E		0.002B		---	31
TOTAL	---	---	2.258	11.931	3.548	0.248	0.080	1.709	0.080	0.121	---	---	TOTAL
MEAN	---	---	0.073	0.398	0.114	0.008	0.003	0.055	0.003	0.004	---	---	MEAN
MAX	---	---	0.141	1.47	0.273	0.041	0.022	1.02	0.003	0.013	---	---	MAX
MIN	---	---	0	0.080	0.080	0	0	0	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 1.47B ON APR 5
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 26 N
LONG 98 59 23 W
DRAINAGE AREA, 340 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5.01
FEB	---	AUG	148
MAR	195	SEP	5.18
APR	1 030	OCT	10.5
MAY	307	NOV	---
JUN	21.5	DEC	---

TOTAL DISCHARGE, 1 730 dam³

KENTON CREEK AT KENTON - STATION NO. 05MG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.053A	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.150	0	0	0	0	0	0	---	---	3
4	---	---	0.0015	0.080	0	0	0	0	0	0	---	---	4
5	---	---	0.0015	0.035	0	0	0	0	0	0	---	---	5
6	---	---	0.0015	0.020	0.001	0	0	0	0	0	---	---	6
7	---	---	0.0015	0.014	0.002	0	0	0	0	0	---	---	7
8	---	---	0.0015	0.008	0.002	0	0	0	0	0	---	---	8
9	---	---	0 B	0.001	0.001	0	0	0	0	0	---	---	9
10	---	---	0 B	0.001	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.001	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.001	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.001	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.001	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.001	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0.0015	0.001	0	0	0	0	0	0	---	---	21
22	---	---	0.0035	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0.0045	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0.0035	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0.0015	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0.001	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0.001	0	0	0	0	0	0	---	---	29
30	---		0 B	0.001	0	0	0	0	0	0	---	---	30
31	---		0 B		0		0	0		0		---	31
TOTAL	---	---	0.017	0.378	0.006	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.013	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.004	0.150	0.002	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.150 ON APR 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.195 AT 17:15 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 34 N
LONG 100 35 35 W
DRAINAGE AREA, 48.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1.47	SEP	0
APR	32.7	OCT	0
MAY	0.52	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 34.7 dam³

KENTON RESERVOIR NEAR KENTON - STATION NO. 05MG502

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	440.814	440.668E	440.687E	440.612	440.428E	440.278E	---	---	1
2	---	---	---	---	440.823E	440.677	440.692	440.605E	440.414	440.270	---	---	2
3	---	---	440.648	---	440.830	440.675E	440.694E	440.598	440.413E	440.267E	---	---	3
4	---	440.682	---	---	440.835E	440.673	440.696	440.594	440.412	440.264	---	---	4
5	440.682	---	---	440.682	440.840	440.668E	440.705E	440.588	440.404E	440.261E	---	---	5
6	---	---	---	---	440.844E	440.658	440.715	440.578E	440.398	440.258	---	---	6
7	---	---	---	---	440.848	440.647E	440.726E	440.572	440.382E	440.257E	---	440.231	7
8	---	---	---	---	440.844E	440.635	440.737	440.564E	440.388	440.258	440.240	---	8
9	---	---	---	---	440.840	440.629E	440.731E	440.558	440.388E	440.260E	---	---	9
10	---	---	---	---	440.838E	440.62[illegible]	440.708	440.548E	440.384	440.262	---	---	10
11	---	---	---	---	440.837	440.615E	440.714E	440.542	440.384E	440.260E	---	---	11
12	---	---	---	---	440.838E	440.607	440.723	440.533E	440.404	440.338	---	---	12
13	---	---	---	---	440.834	440.600E	440.715E	440.524	440.405E	440.328E	---	---	13
14	---	---	---	---	440.834E	440.783	440.707	440.530E	440.406	440.318E	---	---	14
15	---	---	---	---	440.834	440.781E	440.703E	440.538	440.400E	440.308E	---	---	15
16	---	---	---	---	440.831E	440.788	440.698	440.532E	440.394	440.298E	---	---	16
17	---	440.839	---	---	440.828	440.788E	440.695E	440.536	440.391E	440.288E	---	---	17
18	---	---	---	---	440.824E	440.784	440.690	440.524E	440.386	440.278E	---	---	18
19	---	---	---	440.837	440.820	440.778E	440.686E	440.520	440.387E	440.268	---	---	19
20	---	---	---	440.832E	440.830E	440.774	440.681	440.517E	440.408	---	---	---	20
21	---	---	---	440.827	440.820	440.788E	440.673E	440.514	440.402E	---	---	---	21
22	---	---	---	440.822E	440.819E	440.784	440.685	440.501E	440.398	---	---	---	22
23	---	---	---	440.817	440.818	440.784E	440.682E	440.488	440.392E	---	---	---	23
24	---	---	---	440.815E	440.810E	440.744	440.686	440.478E	440.388	---	---	---	24
25	---	---	---	440.812	440.802	440.738E	440.848E	440.470	440.380E	---	---	---	25
26	---	---	---	440.812E	440.800E	440.734	440.840	440.462E	440.374	---	---	---	26
27	---	---	---	440.813	440.897	440.731E	440.835E	440.454	440.377E	---	---	---	27
28	---	---	---	440.812E	440.858E	440.728	440.830	440.443E	440.380	---	---	---	28
29	---	---	---	440.813	440.885	440.715E	440.825E	440.444	440.380E	---	---	---	29
30	---		---	440.813E	440.884E	440.702	440.820	440.440E	440.380	---	---	---	30
31	---		---		440.883		440.810E	440.438		---		---	31
MEAN	---	---	---	---	440.823	440.788	440.693	440.524	440.393	---	---	---	MEAN
MAX	---	---	---	---	440.848	440.885	440.737	440.612	440.635	---	---	---	MAX
MIN	---	---	---	---	440.883	440.702	440.618	440.438	440.384	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 58 34 N
LONG 100 36 04 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1989

DRAINAGE AREA,
118 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KETTLE RIVER NEAR GILLAM - STATION NO. 05UF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.68B	1.08 B	0.660B	0.580B	0.900B	88.7	23.4	8.19	5.58	5.56	4.84B	3.53B	1
2	1.66B	1.06 B	0.670B	0.580B	1.35 B	91.5	21.7	8.07	5.50	5.38	4.92B	3.50B	2
3	1.65B	1.04 B	0.680B	0.580B	2.00 B	91.1	20.4	8.13	5.12	5.27	5.01B	3.41B	3
4	1.64B	1.00 B	0.650B	0.580B	4.50 B	81.0	19.9	8.12	4.83	4.91	4.93B	3.31B	4
5	1.62B	0.980B	0.640B	0.580B	12.5 B	72.2	19.2	8.06	4.28	5.08	4.83B	3.31B	5
6	1.58B	0.975B	0.630B	0.600B	27.5 B	65.7	18.4	7.56	4.04	5.23	4.84B	3.30B	6
7	1.56B	0.945B	0.620B	0.600B	37.5 B	61.3	17.9	7.17	4.02	5.15	4.86B	3.32B	7
8	1.53B	0.915B	0.620B	0.600B	55.0 B	58.6	18.0	6.29	4.20	4.87	4.75B	3.28B	8
9	1.51B	0.900B	0.610B	0.600B	72.8 B	55.9	18.5	6.16	4.31	4.97	4.72B	3.24B	9
10	1.50B	0.880B	0.610B	0.600B	81.4 B	53.4	19.2	5.81	3.91	4.81	4.67B	3.20B	10
11	1.48B	0.870B	0.600B	0.600B	94.0	50.5	18.2	5.53	3.57	4.03	4.60B	3.14B	11
12	1.47B	0.860B	0.600B	0.600B	98.6	47.8	16.2	5.15	3.58	4.12	4.52B	3.08B	12
13	1.44B	0.850B	0.590B	0.600B	101	45.8	16.9	5.85	3.73	4.83	4.65B	3.00B	13
14	1.43B	0.840B	0.590B	0.610B	102	43.6	15.3	5.62	3.87	4.63	4.68B	2.94B	14
15	1.39B	0.830B	0.580B	0.610B	98.7	41.9	14.5	5.42	3.91	4.60	4.60B	2.90B	15
16	1.36B	0.820B	0.580B	0.610B	94.4	40.1	13.8	5.11	4.00	4.84	4.49B	2.88B	16
17	1.35B	0.810B	0.580B	0.610B	88.8	39.0	13.1	4.54	4.08	4.42	4.41B	2.80B	17
18	1.34B	0.800B	0.580B	0.610B	88.5	37.0	12.1	4.36	4.05	4.28	4.28B	2.76B	18
19	1.30B	0.790B	0.580B	0.610B	84.0	37.6	11.4	4.17	4.00	4.47	4.06B	2.72B	19
20	1.28B	0.780B	0.580B	0.610B	80.8	38.3	10.1	4.01	4.00	4.58	3.88B	2.68B	20
21	1.26B	0.770B	0.580B	0.610B	77.5	37.9	9.75	3.85	3.97	4.24	3.82B	2.64B	21
22	1.25B	0.760B	0.580B	0.610B	75.9	36.3	11.2	3.81	4.13	3.49B	3.77B	2.60B	22
23	1.23B	0.750B	0.580B	0.610B	72.6	34.9	10.4	4.03	4.88	4.80B	3.93B	2.54B	23
24	1.21B	0.740B	0.580B	0.610B	68.7	33.9	9.38	3.70	5.03	5.15B	4.01B	2.50B	24
25	1.20B	0.730B	0.580B	0.610B	66.5	32.5	8.76	3.81	5.27	5.15B	3.92B	2.46B	25
26	1.19B	0.720B	0.580B	0.610B	63.3	31.2	8.57	3.54	5.29	5.08B	3.88B	2.40B	26
27	1.17B	0.710B	0.580B	0.610B	60.0	28.7	8.03	3.64	5.40	5.08B	3.80B	2.36B	27
28	1.15B	0.700B	0.580B	0.640B	57.0	26.0	7.58	4.04	5.43	5.01B	3.60B	2.32B	28
29	1.12B	0.690B	0.580B	0.670B	55.4	26.8	7.09	4.45	5.51	4.97B	3.64B	2.28B	29
30	1.11B		0.580B	0.730B	52.6	25.0	6.88	4.91	5.75	4.88B	3.60B	2.24B	30
31	1.08B		0.580B		51.0		7.39	5.26		4.86B		2.20B	31
TOTAL	42.81	24.585	18.620	18.310	1 936.450	1 437.1	436.21	171.17	135.04	148.08	130.26	88.99	TOTAL
MEAN	1.38	0.848	0.601	0.610	62.5	47.9	14.1	5.52	4.50	4.78	4.34	2.87	MEAN
MAX	1.68	1.08	0.680	0.730	102	91.5	23.4	8.19	5.75	5.56	5.01	3.60	MAX
MIN	1.08	0.690	0.580	0.580	0.900	25.0	6.88	3.54	3.57	3.49	3.60	2.20	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.5
MAXIMUM DAILY, 102 ON MAY 14
MINIMUM DAILY, 0.580B ON MAR 15
MAXIMUM INSTANTANEOUS,
103 AT 06:30 CST ON MAY 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 20 40 N
LONG 94 41 00 W
DRAINAGE AREA, 1 090 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 700	JUL	37 700
FEB	2 120	AUG	14 800
MAR	1 610	SEP	11 700
APR	1 580	OCT	12 800
MAY	167 000	NOV	11 300
JUN	124 000	DEC	7 690

TOTAL DISCHARGE, 396 000 dam³

KILLARNEY LAKE AT KILLARNEY - STATION NO. 05OA003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	482.051E	482.041E	482.026E	482.026E	482.143	482.113	481.926E	481.784E	481.535E	481.479E	481.398	481.382E	1
2	482.049E	482.041E	482.026	482.026E	482.143E	482.111E	481.918E	481.750E	481.532E	481.477	481.397	481.379E	2
3	482.049	482.041	482.026E	482.026	482.143E	482.108E	481.911	481.737	481.530E	481.474E	481.395E	481.377E	3
4	482.052E	482.041	482.026E	482.053E	482.143	482.106E	481.918E	481.735E	481.527	481.470E	481.392E	481.374	4
5	482.056	482.041E	482.026E	482.081E	482.146E	482.103	481.920	481.732E	481.510E	481.467	481.390E	481.374E	5
6	482.056E	482.041E	482.026	482.108	482.148E	482.088E	481.907	481.730E	481.494E	481.465E	481.387	481.374E	6
7	482.053E	482.041	482.026E	482.123E	482.151E	482.086	481.902E	481.727	481.477	481.462E	481.387E	481.374	7
8	482.051E	482.041E	482.026E	482.138E	482.153	482.081	481.897E	481.714E	481.475E	481.460E	481.387E	481.374E	8
9	482.048E	482.041E	482.026	482.153E	482.153E	482.069E	481.892E	481.700E	481.472E	481.457	481.387	481.374E	9
10	482.046	482.041	482.026E	482.168	482.153E	482.058E	481.887	481.687	481.470E	481.450E	481.385E	481.374E	10
11	482.048E	482.040E	482.026E	482.165E	482.153	482.044E	481.884E	481.687E	481.467	481.444E	481.382E	481.374E	11
12	482.048E	482.039E	482.026E	482.161E	482.158E	482.031	481.880E	481.687E	481.477E	481.437	481.380E	481.374	12
13	482.048	482.037E	482.026	482.158	482.163E	482.031E	481.877	481.687E	481.487E	481.435E	481.377	481.374E	13
14	482.048E	482.035	482.026E	482.159E	482.168E	482.031E	481.872E	481.687	481.497	481.433E	481.377E	481.374	14
15	482.048E	482.033E	482.026E	482.161E	482.173	482.031	481.867E	481.677E	481.495E	481.431E	481.377E	481.374E	15
16	482.048E	482.031E	482.026	482.162E	482.170E	482.029E	481.862E	481.667E	481.492E	481.429E	481.377	481.374E	16
17	482.048	482.029	482.026E	482.164E	482.166E	482.026E	481.857	481.657	481.490E	481.427	481.381E	481.374E	17
18	482.048E	482.028E	482.026E	482.165E	482.163	482.024E	481.854E	481.652E	481.487	481.427E	481.385E	481.374	18
19	482.048E	482.027E	482.026E	482.167E	482.163E	482.021	481.850E	481.647E	481.494E	481.427E	481.389E	481.371E	19
20	482.046	482.027E	482.026	482.168	482.163E	482.018E	481.847	481.642E	481.500E	481.427	481.393E	481.367E	20
21	482.048E	482.028	482.026E	482.168E	482.163E	482.014E	481.837E	481.637	481.507	481.417E	481.397	481.364	21
22	482.048E	482.028E	482.024E	482.168E	482.163	482.011	481.827E	481.627E	481.502E	481.407E	481.395E	481.364E	22
23	482.048E	482.027E	482.024	482.168E	482.163E	481.985E	481.817E	481.617E	481.497E	481.397	481.392	481.364E	23
24	482.046	482.027	482.025E	482.168	482.153E	481.978E	481.807	481.607	481.492E	481.397E	481.390E	481.364E	24
25	482.044E	482.027E	482.025E	482.167E	482.153E	481.962E	481.804E	481.587	481.487	481.397E	481.388E	481.364	25
26	482.041E	482.027E	482.025E	482.167E	482.153	481.948	481.800E	481.577E	481.487E	481.397	481.386E	481.364E	26
27	482.039E	482.028E	482.025	482.166	482.153E	481.944E	481.797	481.567E	481.487E	481.397E	481.384	481.364E	27
28	482.038	482.028	482.025E	482.160E	482.143E	481.942E	481.792E	481.557	481.487	481.397E	481.384E	481.364	28
29	482.038E	482.028E	482.025E	482.155E	482.133	481.941	481.787E	481.550E	481.484E	481.397E	481.384E	481.367E	29
30	482.039E		482.025	482.149E	482.126E	481.934E	481.782E	481.544E	481.482E	481.397	481.384	481.371E	30
31	482.041		482.025E		482.120E		481.777	481.537		481.398E		481.374E	31
MEAN	482.046	482.034	482.025	482.130	482.154	482.029	481.857	481.667	481.494	481.431	481.387	481.371	MEAN
MAX	482.056	482.041	482.026	482.168	482.173	482.113	481.926	481.784	481.535	481.479	481.398	481.382	MAX
MIN	482.038	482.026	482.024	482.026	482.120	481.934	481.777	481.537	481.467	481.397	481.377	481.364	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 481.801
MAXIMUM DAILY, 482.173 ON MAY 15
MINIMUM DAILY, 481.364 ON DEC 21

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 30 N
LONG 99 40 12 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1956

DRAINAGE AREA,
234 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KISKITTO LAKE NEAR NORWAY HOUSE - STATION NO. 05UB013

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	212.833	212.810	212.781	212.840	213.084	213.042	212.874	212.884	212.843	212.775	212.748	1
2	---	212.832	212.816	212.787	212.852	213.107	213.042	212.870	212.882	212.840	212.778	212.747	2
3	---	212.823	212.817	212.789	212.861	213.116	213.037	212.872	212.851	212.832	212.779	212.761	3
4	---	212.837	212.812	212.782	212.881	213.116	213.032	212.873	212.854	212.848	212.785	212.743	4
5	212.858A	212.832	212.806	212.784	212.904	213.116	213.023	212.871	212.853	212.843	212.777	212.738	5
6	212.853	212.837	212.810	212.788	212.911	213.116	213.018	212.864	212.851	212.838	212.774	212.739	6
7	212.853	212.841	212.802	212.781	212.926	213.081	213.007	212.843	212.844	212.828	212.777	212.742	7
8	212.852	212.836	212.802	212.802	212.947	213.063	213.072	212.868	212.847	212.828	212.782	212.741	8
9	212.851	212.833	212.805	212.802	212.983	213.105	213.041	212.844	212.868	212.832	212.782	212.731	9
10	212.854	212.821	212.799	212.787	212.972	213.105	213.031	212.841	212.849	212.803	212.773	212.734	10
11	212.860	212.826	212.783	212.803	212.978	213.081	213.028	212.818	212.835	212.803	212.767	212.736	11
12	212.842	212.824	212.782	212.810	212.981	213.081	213.031	212.824	212.849	212.808	212.788	212.731	12
13	212.849	212.823	212.780	212.808	213.000	213.088	213.004	212.821	212.853	212.804	213.781	212.731	13
14	212.856	212.828	212.787	212.788	212.987	213.087	212.984	212.818	212.836	212.801	212.788	212.727	14
15	213.863	212.828	212.788	212.800	213.011	213.087	213.005	212.811	212.826	212.811	212.784	212.732	15
16	213.863	212.828	212.784	212.802	213.023	213.102	213.022	212.887	212.815	212.812	212.781	212.728	16
17	212.848	212.824	212.783	212.788	213.022	213.108	213.034	212.888	212.793	212.803	212.780	212.730	17
18	212.845	212.839	212.787	212.789	213.042	213.107	213.031	212.884	212.781	212.786	212.782	212.722	18
19	212.844	212.831	212.783	212.787	213.044	213.110	213.030	212.887	212.776	212.787	212.784	212.721	19
20	212.839	212.822	212.783	212.803	213.048	213.087	213.029	212.879	212.780	212.801	212.787	212.718	20
21	212.851	212.818	212.788	212.782	213.058	213.078	213.024	212.833	212.803	212.788	213.773	212.723	21
22	212.836	212.814	212.781	212.787	213.058	213.070	213.022	213.867	212.824	212.788	212.788	212.729	22
23	212.832	212.818	212.785	212.788	213.058	213.064	213.029	212.871	212.830	212.802	212.788	212.726	23
24	212.834	212.827	212.788	212.788	213.061	213.067	213.021	212.880	212.828	212.782	212.782	212.728	24
25	212.843	212.817	212.777	212.782	213.080	213.084	213.010	212.880	212.841	212.784	212.783	212.733	25
26	212.845	212.814	212.782	212.781	213.078	213.067	213.008	212.872	212.836	212.783	212.748	212.738	26
27	212.839	212.823	212.781	212.782	213.068	213.037	213.002	212.882	213.837	213.784	212.748	212.738	27
28	212.835	212.818	212.782	212.805	213.085	213.040	213.885	213.874	213.828	213.783	212.748	212.719	28
29	212.836	212.808	212.780	212.801	213.088	213.048	212.889	212.887	213.845	212.785	212.748	212.718	29
30	212.833		212.782	212.809	213.048	213.048	212.878	213.881	213.882	213.777	212.748	212.715	30
31	212.832		212.785		213.081		212.868	212.880		212.772		212.722	31
MEAN	---	212.826	212.795	212.798	212.996	213.085	213.032	212.908	212.840	212.807	212.785	212.731	MEAN
MAX	---	212.841	212.817	212.810	213.081	213.116	213.072	212.874	212.847	212.848	212.785	212.761	MAX
MIN	---	212.808	212.777	212.787	212.840	213.037	212.978	212.833	212.775	212.788	212.748	212.715	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 18 10 N
LONG 98 28 20 W

A - MANUAL GAUGE

REGULATED SINCE 1973

MAXIMUM INSTANTANEOUS,
213.180 AT 13:13 CST ON JUN 18

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

KISKITTOGISU LAKE AT WHISKEY JACK LANDING - STATION NO. 05UB017

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	216.451	216.193	216.338	216.881	216.977	217.195	217.288	217.075	217.088	216.815	216.314	216.488	1
2	216.448	216.186	216.333	216.718	216.976	217.186	217.283	217.089	216.842	216.804	216.388	216.448	2
3	216.448	216.211	216.327	216.720	216.952	217.207	217.258	217.087	216.848	216.880	216.486	216.441	3
4	216.439	216.221	216.326	216.734	216.942	217.240	217.184	217.140	216.781	216.723	216.628	216.424	4
5	216.432	216.230	216.321	216.761	216.882	217.248	217.181	217.224	216.798	216.880	216.844	216.421	5
6	216.425	216.231	216.314	216.788	216.882	217.230	217.201	217.144	216.936	216.882	216.881	216.418	6
7	216.426	216.236	216.313	216.788	217.016	217.083	217.288	217.088	217.113	216.828	216.806	216.388	7
8	216.420	216.236	216.326	216.773	217.027	217.110	217.328	217.063	216.788	216.882	216.877	216.384	8
9	216.416	216.237	216.333	216.788	217.036	217.228	217.185	217.173	216.837	216.811	216.884	216.374A	9
10	216.411	216.236	216.336	216.788	217.022	217.285	216.872	217.173	216.878	216.857	216.885	---	10
11	216.405	216.232	216.340	216.802	217.048	217.226	217.033	217.087	216.818	216.830	216.878	---	11
12	216.394	216.236	216.336	216.816	217.018	217.187	217.132	217.073	216.878	216.773	216.817	---	12
13	216.384A	216.244	216.337	216.818	216.986	217.108	217.118	217.107	216.834	216.888	216.833	---	13
14	216.373A	216.249	216.342	216.818	217.028	217.111	217.111	217.141	216.839	216.880	216.871	---	14
15	216.364	216.251	216.386	216.822	216.816	217.106	217.178	217.156	216.703	216.848	216.831	---	15
16	216.380	216.273	216.388	216.830	216.880	217.232	217.181	217.008	216.813	216.830	216.800	---	16
17	216.346	216.285	216.407	216.830	217.102	217.291	217.184	216.986	216.871	216.729	216.642	---	17
18	216.336	216.287	216.418	216.827	217.228	217.273	217.178	217.022	216.880	216.781	216.407	---	18
19	216.325	216.308	216.430	216.831	217.186	217.231	217.186	217.082	216.831	216.784	216.421	---	19
20	216.307	216.316	216.436	216.836	217.134	217.186	217.137	217.088	216.880	216.784	216.436	---	20
21	216.288	216.320	216.447	216.843	217.178	217.150	217.184	217.187	216.813	216.810	216.483	---	21
22	216.286	216.336	216.486	216.846	217.147	217.033	217.283	217.208	216.778	216.770	216.484	---	22
23	216.286	216.342	216.507	216.850	217.044	217.121	217.273	216.871	216.786	216.864	216.506	---	23
24	216.267	216.348	216.526	216.849	217.113	217.208	217.184	216.727	216.786	216.437	216.502	---	24
25	216.243	216.346	216.540	216.842	217.186	217.088	217.187	216.831	216.786	216.230	216.576	---	25
26	216.232	216.348	216.548	216.848	217.184	217.146	217.206	216.888	216.880	216.172	216.585	---	26
27	216.233	216.348	216.566	216.884	217.187	217.180	217.206	216.886	216.903	216.182	216.523	---	27
28	216.211	216.346	216.576	216.888	217.167	217.183	217.212	216.817	217.004	216.187	216.481	---	28
29	216.208	216.342	216.614	216.905	217.180	217.245	217.186	216.882	217.127	216.181	216.476	---	29
30	216.196		216.640	216.939	217.040	217.329	217.060	216.880	217.088	216.172	216.482	---	30
31	216.183		216.664		217.134		217.088	217.084		216.238		---	31
MEAN	216.338	216.278	216.435	216.814	217.088	217.184	217.178	216.998	216.771	216.885	216.820	---	MEAN
MAX	216.451	216.348	216.664	216.939	217.228	217.329	217.328	217.224	217.127	216.982	216.877	---	MAX
MIN	216.183	216.183	216.313	216.881	216.816	217.033	216.872	216.817	216.480	216.181	216.314	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.329 ON JUN 30
MINIMUM DAILY, 216.181 ON OCT 29
MAXIMUM INSTANTANEOUS,
217.382 AT 16:30 CST ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 28 20 N
LONG 98 00 20 W

A - MANUAL GAUGE

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

KISSISSING LAKE AT COLD LAKE - STATION NO. 06EA009

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	313.272A	313.284	313.273	313.281	313.305	313.380	313.338	313.272	313.336	313.334	313.283	313.282	1
2	313.273	313.284	313.272	313.282	313.316	313.368	313.331	313.284	313.334	313.330	313.282	313.291	2
3	313.276	313.284	313.274	313.283	313.325	313.393	313.328	313.270	313.332	313.323	313.289	313.288	3
4	313.278	313.287	313.272	313.285	313.330	313.388	313.327	313.265A	313.326	313.320	313.288	313.288	4
5	313.272A	313.288	313.273	313.293	313.336	313.384	313.321	313.272E	313.318	313.318	313.288	313.289	5
6	313.288	313.285	313.274	313.294	313.339	313.375	313.332	313.279E	313.313	313.318	313.277	313.290	6
7	313.272	313.284	313.270	313.291	313.347	313.368	313.343	313.288E	313.327	313.316	313.282	313.288	7
8	313.270	313.284	313.288	313.298	313.355	313.380	313.348	313.283E	313.328	313.315	313.280	313.288	8
9	313.287	313.282	313.285	313.310	313.358A	313.384	313.334	313.300E	313.338	313.331	313.301	313.288	9
10	313.289	313.281	313.286	313.306	313.357E	313.373	313.323	313.307E	313.323	313.313	313.300	313.285	10
11	313.287	313.288	313.288	313.305	313.357A	313.388	313.320	313.314A	313.318	313.302	313.288	313.284	11
12	313.286	313.281	313.286	313.306	313.356	313.388	313.313	313.316A	313.317	313.296	313.287	313.288	12
13	313.283	313.288	313.285	313.306	313.356E	313.370	313.307	313.315	313.330	313.303	313.301	313.289	13
14	313.281A	313.281	313.286	313.307	313.359E	313.365	313.305	313.315	313.311	313.303	313.299	313.287	14
15	313.282	313.289	313.285	313.303	313.361E	313.360	313.317	313.329	313.310	313.314	313.296	313.286	15
16	313.287A	313.288	313.286	313.306	313.361E	313.358	313.323	313.314	313.310	313.306	313.295	313.289	16
17	313.284	313.287	313.286	313.308	313.361A	313.367	313.323	313.311	313.328	313.296	313.295	313.286	17
18	313.281A	313.288	313.286	313.303	313.370	313.356	313.323	313.308	313.334	313.298	313.287	313.288	18
19	313.286	313.270	313.285	313.301	313.367	313.362	313.320	313.298	313.331	313.288	313.294	313.285	19
20	313.283	313.284	313.282	313.301	313.366	313.362	313.316	313.292	313.330	313.300	313.282	313.287	20
21	313.286	313.288	313.280	313.296	313.370	313.363	313.312	313.287	313.328	313.278	313.286	313.288	21
22	313.284	313.274	313.283	313.287	313.370	313.344	313.306	313.342	313.348	313.286	313.284	313.294	22
23	313.286	313.273	313.282	313.286	313.367	312.328	313.318	313.368	313.348	313.306	313.283	313.294	23
24	313.282	313.271	313.286	313.288	313.347	313.346	313.286	313.386	313.345	313.301	313.285	313.294	24
25	313.285	313.286	313.278	313.288	313.366	313.346	313.283	313.386	313.337	313.302	313.286	313.288	25
26	313.287	313.288	313.276	313.283	313.366	313.342	313.287	313.385	313.328	313.307	313.286	313.287	26
27	313.283	313.288	313.272	313.286	313.368	313.327	313.288	313.390	313.324	313.310	313.286	313.291	27
28	313.287	313.288	313.281	313.282	313.366	313.327	313.294	313.338	313.322	313.302	313.291	313.286	28
29	313.282	313.286	313.287	313.286	313.360	313.321	313.293	313.335	313.328	313.294	313.294	313.286	29
30	313.281		313.288	313.291	313.364	313.318	313.271	313.323	313.338	313.291	313.291	313.288	30
31	313.287		313.281		313.373		313.287	313.330		313.292		313.286	31
MEAN	313.284	313.286	313.271	313.298	313.356	313.359	313.315	313.312	313.329	313.307	313.294	313.288	MEAN
MAX	313.378	313.274	313.289	313.310	313.380	313.393	313.348	313.385	313.368	313.334	313.301	313.294	MAX
MIN	313.283	313.268	313.280	313.281	313.305	313.318	313.271	313.264	313.310	313.278	313.277	313.284	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 313.306
MAXIMUM DAILY, 313.393 ON JUN 3
MINIMUM DAILY, 313.263 ON JAN 30
MAXIMUM INSTANTANEOUS,
313.413 AT 16:12 CST ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 07 50 N
LONG 101 08 50 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1956 ADJ.)

KRONSKARY DRAIN NEAR SEWELL - STATION NO. 05QC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	---	---	---	---	---	---	1
2	---	---	0B	0.0188	0	0	---	---	---	---	---	---	2
3	---	---	0B	0.2708	0	0	---	---	---	---	---	---	3
4	---	---	0B	1.68 B	0	0	---	---	---	---	---	---	4
5	---	---	0B	0.7728	0	0	---	---	---	---	---	---	5
6	---	---	0B	0.3738	0	0	---	---	---	---	---	---	6
7	---	---	0B	0.2488	0	0	---	---	---	---	---	---	7
8	---	---	0B	0.1838	0	0	---	---	---	---	---	---	8
9	---	---	0B	0.0708	0	0	---	---	---	---	---	---	9
10	---	---	0B	0.0388	0	0	---	---	---	---	---	---	10
11	---	---	0B	0.0188	0	0	---	---	---	---	---	---	11
12	---	---	0B	0.0108	0	0	---	---	---	---	---	---	12
13	---	---	0B	0.0028	0	0	---	---	---	---	---	---	13
14	---	---	0B	0.0018	0	0	---	---	---	---	---	---	14
15	---	---	0B	0.0018	0	0	---	---	---	---	---	---	15
16	---	---	0B	0.0048	0	0	---	---	---	---	---	---	16
17	---	---	0B	0.0028	0	0	---	---	---	---	---	---	17
18	---	---	0B	0	0	0	---	---	---	---	---	---	18
19	---	---	0B	0	0	0	---	---	---	---	---	---	19
20	---	---	0B	0	0	0	---	---	---	---	---	---	20
21	---	---	0B	0	0	0	---	---	---	---	---	---	21
22	---	---	0B	0	0	0	---	---	---	---	---	---	22
23	---	---	0B	0	0	0	---	---	---	---	---	---	23
24	---	---	0B	0	0	0	---	---	---	---	---	---	24
25	---	---	0B	0	0	0	---	---	---	---	---	---	25
26	---	---	0B	0	0	0	---	---	---	---	---	---	26
27	---	---	0B	0	0	0	---	---	---	---	---	---	27
28	---	---	0B	0	0	0	---	---	---	---	---	---	28
29	---	---	0B	0	0	0	---	---	---	---	---	---	29
30	---		0B	0	0	0	---	---	---	---	---	---	30
31	---		0B		0		---	---		---		---	31
TOTAL	---	---	0	3.888	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.122	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	1.68	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.030
MAXIMUM DAILY, 1.680 ON APR 4
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 50 N
LONG 97 30 20 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	5	SEP	---
APR	317	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 317 dam^3

LA SALLE RIVER ABOVE HAMPSON DAM - STATION NO. 05OC001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	233.290E	233.285	233.345	233.394	233.278E	---	---	---	1
2	---	---	---	---	233.268E	233.265E	233.348E	233.388E	233.273	---	---	---	2
3	---	---	---	---	233.285	233.285	233.262E	233.404	233.280E	---	---	---	3
4	---	---	---	---	233.290E	233.258E	233.255	233.394	233.248E	---	---	---	4
5	---	---	---	---	233.278	233.248E	233.258E	233.384E	233.233	---	---	---	5
6	---	---	---	---	233.278E	233.238E	233.255	233.384E	233.223E	---	---	---	6
7	---	---	---	---	233.276	233.228	233.263E	233.384E	233.213	---	---	---	7
8	---	---	---	---	233.265E	233.235E	233.270	233.394	233.213E	---	---	---	8
9	---	---	---	---	233.295	233.226	233.288E	233.384E	233.213	---	---	---	9
10	---	---	---	---	233.310E	233.226E	233.268E	233.374	233.218E	---	---	---	10
11	---	---	---	---	233.325	233.228	233.268E	233.384E	233.223E	---	---	---	11
12	---	---	---	---	233.326E	233.236E	233.265	233.364E	233.228E	---	---	---	12
13	---	---	---	---	233.326	233.245	233.270E	233.344	233.233	---	---	---	13
14	---	---	---	---	233.322E	233.248E	233.278	233.334E	233.228E	---	---	---	14
15	---	---	---	---	233.318E	233.245	233.260E	233.324E	233.223	---	---	---	15
16	---	---	---	---	233.315	233.255E	233.286	233.314	233.248E	---	---	---	16
17	---	---	---	---	233.315E	233.265	233.284E	233.308E	233.273	---	---	---	17
18	---	---	---	---	233.315	233.285E	233.312E	233.303	233.313E	---	---	---	18
19	---	---	---	---	233.305E	233.288E	233.326	233.293E	233.353	---	---	---	19
20	---	---	---	---	233.295	233.295	233.330E	233.283	233.368E	---	---	---	20
21	---	---	---	---	233.293E	233.270E	233.335	233.283E	233.383	---	---	---	21
22	---	---	---	---	233.288E	233.275	233.348E	233.283	233.403E	---	---	---	22
23	---	---	---	---	233.285	233.278E	233.364	233.288E	233.423	---	---	---	23
24	---	---	---	---	233.288E	233.275	233.367E	233.283	233.438E	---	---	---	24
25	---	---	---	---	233.295	233.273E	233.381E	233.283E	233.458E	---	---	---	25
26	---	---	---	---	233.288E	233.268E	233.384	233.283	233.463	---	---	---	26
27	---	---	---	---	233.275	233.265	233.384E	233.283E	233.433E	---	---	---	27
28	---	---	---	---	233.273E	233.268E	233.384	233.283E	233.463	---	---	---	28
29	---	---	---	---	233.268E	233.265	233.388E	233.283	233.408E	---	---	---	29
30	---		---	---	233.285	233.260E	233.384	233.283	233.413	---	---	---	30
31	---		---		233.285E		233.388E	233.283		---		---	31
MEAN	---	---	---	---	233.293	233.254	233.310	233.333	233.308	---	---	---	MEAN
MAX	---	---	---	---	233.335	233.275	233.384	233.404	233.463	---	---	---	MAX
MIN	---	---	---	---	233.265	233.226	233.245	233.283	233.213	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 43 16 N
LONG 97 31 23 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
REGULATED SINCE 1966
DRAINAGE AREA,
1 780 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE MORUE DAM - STATION NO. 05OC002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	229.618E	229.670	229.611	229.661	229.668E	229.668E	229.668E	---	1
2	---	---	---	---	229.618E	229.670E	229.605E	229.668E	229.660	229.678E	229.664	---	2
3	---	---	---	---	229.618	229.670	229.488E	229.661	229.661E	229.670	229.661E	---	3
4	---	---	---	---	229.618	229.668E	229.483	229.682E	229.656E	229.670E	229.678	---	4
5	---	---	---	---	229.618E	229.689E	229.624E	229.683	229.650	229.670	229.678E	---	5
6	---	---	---	---	229.618	229.664	229.665	229.668E	229.636E	229.672E	229.672E	---	6
7	---	---	---	---	229.620E	229.662E	229.668E	229.668E	229.620	229.674	229.670	---	7
8	---	---	---	---	229.638E	229.662	229.663	229.666	229.618E	229.670E	229.668E	---	8
9	---	---	---	---	229.648	229.656E	229.663E	229.662E	229.618	229.670E	229.662	---	9
10	---	---	---	---	229.648E	229.664	229.663E	229.668	229.668E	229.660	229.661E	---	10
11	---	---	---	---	229.640	229.648E	229.662	229.661E	229.621E	229.668E	229.660	---	11
12	---	---	---	---	229.648E	229.672E	229.668E	229.677	229.674	229.662	229.668E	---	12
13	---	---	---	---	229.640	229.674	229.668	229.668E	229.661E	229.702E	229.654E	---	13
14	---	---	---	---	229.648E	229.662E	229.610E	229.668E	229.668	229.712	229.657	---	14
15	---	---	---	---	229.648E	229.660	229.611	229.651	229.668E	229.708E	229.668E	---	15
16	---	---	---	---	229.649	229.668E	229.610E	229.638E	229.690	229.707E	229.662E	---	16
17	---	---	---	---	229.647E	229.612	229.610E	229.625	229.666E	229.704	229.650	---	17
18	---	---	---	---	229.645	229.608E	229.608	229.617E	229.668E	229.701E	229.647E	---	18
19	---	---	---	---	229.648E	229.608E	229.611E	229.608	229.663	229.696	229.644	---	19
20	---	---	---	---	229.648	229.602	229.613	229.608E	229.663E	229.694E	229.644E	---	20
21	---	---	---	---	229.644E	229.601E	229.610E	229.608E	229.662	229.690	229.664	---	21
22	---	---	---	---	229.642E	229.598	229.623	229.608	229.663E	229.687E	229.647E	---	22
23	---	---	---	---	229.640	229.578E	229.630E	229.603E	229.664	229.683E	229.650	---	23
24	---	---	---	---	229.637E	229.551	229.650E	229.597	229.664E	229.680	229.650E	---	24
25	---	---	---	---	229.634	229.541E	229.663	229.592E	229.664E	229.681E	229.650	---	25
26	---	---	---	---	229.637E	229.531E	229.667E	229.587	229.664	229.662	---	---	26
27	---	---	---	---	229.640	229.521	229.671	229.588E	229.663E	229.663E	---	---	27
28	---	---	---	---	229.647E	229.521E	229.670E	229.583E	229.662	229.664	---	---	28
29	---	---	---	---	229.658E	229.521	229.667	229.581	229.663E	229.667E	---	---	29
30	---		---	---	229.662	229.518E	229.668E	229.578	229.664	229.668E	---	---	30
31	---		---		229.668E		229.663E	229.570		229.662		---	31
MEAN	---	---	---	---	229.641	229.587	229.604	229.640	229.637	229.687	---	---	MEAN
MAX	---	---	---	---	229.668	229.612	229.667	229.668	229.694	229.712	---	---	MAX
MIN	---	---	---	---	229.618	229.518	229.493	229.570	229.618	229.670	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 02 N
LONG 97 29 57 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
REGULATED SINCE 1953
DRAINAGE AREA,
2 170 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE LA SALLE DAM (P.R. 330) - STATION NO. 05OC005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	238.012E	238.003	237.838E	238.016	237.853	238.081	---	---	1
2	---	---	---	---	238.021	237.998E	237.811	238.013	237.838E	238.073E	---	---	2
3	---	---	---	---	238.017E	237.990E	237.787E	238.012E	237.823	238.085	---	---	3
4	---	---	---	---	238.013E	237.984	237.783	238.013	237.815E	238.078E	---	---	4
5	---	---	---	---	238.009	237.977E	237.795E	238.013E	237.808	238.087	238.084	---	5
6	---	---	---	---	238.012E	237.989	237.808	238.015	237.787E	238.078E	238.083E	---	6
7	---	---	---	238.384	238.015	237.981E	237.804E	238.012E	237.788	238.068E	238.081	---	7
8	---	---	---	238.341E	238.018E	237.932	237.801	238.008	237.788E	238.100	238.087E	---	8
9	---	---	---	238.298	238.024	237.926E	237.780	238.007E	237.788E	238.100E	238.083E	---	9
10	---	---	---	238.238E	238.018E	237.920E	237.772E	238.008	237.788	238.100	238.078	---	10
11	---	---	---	238.180E	238.008	237.914	237.785	238.000E	237.849E	238.112E	238.078E	---	11
12	---	---	---	238.121	238.014E	237.907E	237.785E	237.993E	237.805	238.124	238.078	---	12
13	---	---	---	238.100	238.019E	237.899	237.785	237.987	237.874E	238.126E	238.074E	---	13
14	---	---	---	238.073	238.024	237.906E	237.780E	237.981E	238.042	238.127E	238.070	---	14
15	---	---	---	238.064E	238.024E	237.911	237.767E	237.975	238.033E	238.126	---	---	15
16	---	---	---	238.054	238.024	237.912E	237.756	237.963E	238.024E	238.129E	---	---	16
17	---	---	---	238.050E	238.024E	237.913E	237.762E	237.951	238.015	238.131	---	---	17
18	---	---	---	238.045	238.024	237.914	237.755	237.942E	238.019E	238.117E	---	---	18
19	---	---	---	238.038E	238.024E	237.912E	237.812E	237.932E	238.018	238.103	---	---	19
20	---	---	---	238.024	238.024E	237.910E	237.888	237.923	238.021E	238.112E	---	---	20
21	---	---	---	238.022E	238.024	237.906	237.872E	237.925E	238.024	238.121E	---	---	21
22	---	---	---	238.021	238.019E	237.902E	237.875	237.926	238.026E	238.131	---	---	22
23	---	---	---	238.024E	238.009	237.898E	237.867E	237.909E	238.029E	---	---	---	23
24	---	---	---	238.027	238.009E	237.890	237.859	237.872	238.027	---	238.100	---	24
25	---	---	---	238.022E	238.009	237.886E	237.875E	237.878E	238.022E	---	238.086E	---	25
26	---	---	---	238.018	238.009E	237.882E	237.890	237.860E	238.038	---	238.078	---	26
27	---	---	---	238.018E	238.003E	237.875	---	237.864	238.053E	---	238.080E	---	27
26	---	---	---	238.012	238.000	237.885E	---	237.878E	238.070	---	238.083E	---	26
29	---	---	---	238.007E	238.004E	237.863	---	237.872	238.067E	---	238.084	---	29
30	---		---	238.003	238.000	237.838E	---	237.885	238.064E	---	---	---	30
31	---		---		238.000E		---	237.889E		---		---	31
MEAN	---	---	---	---	238.015	237.918	---	237.953	237.947	---	---	---	MEAN
MAX	---	---	---	---	238.024	238.003	---	238.016	238.070	---	---	---	MAX
MIN	---	---	---	---	238.000	237.839	---	237.889	237.788	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 43 N
LONG 97 15 52 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1961

DRAINAGE AREA,
2 390 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE LEWKO DAM - STATION NO. 05OC003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	230.833E	230.835	230.805	230.830	230.810E	230.880E	---	---	1
2	---	---	---	---	230.815	230.838E	230.807E	230.830E	230.810	230.880E	---	---	2
3	---	---	---	---	230.830	230.835	230.808E	230.830	230.810E	230.880	---	---	3
4	---	---	---	---	230.830	230.835E	230.810	230.830E	230.810E	230.880E	---	---	4
5	---	---	---	---	230.830E	230.838E	230.813E	230.830	230.810	230.880	---	---	5
6	---	---	---	---	230.830	230.835	230.815	230.838E	230.810E	230.880E	---	---	6
7	---	---	---	---	230.837E	230.835E	230.818E	230.837E	230.810	230.880	---	---	7
8	---	---	---	---	230.833E	230.835	230.823	230.835	230.813E	230.878E	---	---	8
9	---	---	---	---	230.840	230.835E	230.810E	230.833E	230.815	230.877E	---	---	9
10	---	---	---	---	230.840E	230.835	230.814E	230.830	230.838E	230.875	---	---	10
11	---	---	---	230.870	230.840	230.833E	230.810	230.830E	230.883E	230.875E	---	---	11
12	---	---	---	230.843E	230.845E	230.818E	230.810E	230.830	230.885	230.875	---	---	12
13	---	---	---	230.815	230.850	230.815	230.810	230.817E	230.885E	230.875E	---	---	13
14	---	---	---	230.888E	230.850E	230.813E	230.808E	230.813E	230.885	230.875	---	---	14
15	---	---	---	230.880	230.850E	230.810	230.805	230.810	230.885E	230.873E	---	---	15
16	---	---	---	230.870E	230.850	230.810E	230.805E	230.808E	230.885	230.873E	---	---	16
17	---	---	---	230.880E	230.850E	230.810	230.805E	230.805	230.885E	230.870	---	---	17
18	---	---	---	230.850	230.850	230.808E	230.805	230.805E	230.885E	230.870E	---	---	18
19	---	---	---	230.845E	230.853E	230.807E	230.810E	230.805	230.885	230.870	---	---	19
20	---	---	---	230.840	230.855	230.805	230.815	230.805E	230.885E	230.873E	---	---	20
21	---	---	---	230.840E	230.847E	230.805E	230.815E	230.805E	230.885	230.875	---	---	21
22	---	---	---	230.840	230.838E	230.805	230.815	230.805	230.883E	---	---	---	22
23	---	---	---	230.840E	230.830	230.805E	230.822E	230.805E	230.880	---	---	---	23
24	---	---	---	230.840E	230.828E	230.805	230.828E	230.805	230.880E	---	---	---	24
25	---	---	---	230.840	230.825	230.805E	230.835	230.805E	230.880E	---	---	---	25
26	---	---	---	230.840E	230.825E	230.805E	230.828E	230.805	230.880	---	---	---	26
27	---	---	---	230.840	230.825	230.805	230.835	230.807E	230.880E	---	---	---	27
28	---	---	---	230.840E	230.825E	230.805E	230.835E	230.805E	230.880	---	---	---	28
29	---	---	---	230.840	230.825E	230.805	230.835	230.810	230.880E	---	---	---	29
30	---		---	230.833E	230.825	230.805E	230.833E	230.805	230.880	---	---	---	30
31	---		---		230.825E		230.833E	230.810		---		---	31
MEAN	---	---	---	---	230.834	230.814	230.817	230.815	230.858	---	---	---	MEAN
MAX	---	---	---	---	230.855	230.835	230.835	230.830	230.885	---	---	---	MAX
MIN	---	---	---	---	230.815	230.805	230.805	230.805	230.810	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 05 N
LONG 97 23 33 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1965

DRAINAGE AREA,
2 050 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE SANFORD DAM - STATION NO. 05OC005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	232.808E	232.802E	232.854	232.784E	232.868E	---	---	---	1
2	---	---	---	---	232.808E	232.715	232.844E	232.788	232.862E	---	---	---	2
3	---	---	---	---	232.806	232.715E	232.842	232.800E	232.876	231.632	---	---	3
4	---	---	---	---	232.808E	232.715	232.829E	232.812	232.817E	231.674	---	---	4
5	---	---	---	233.233	232.806	232.715E	232.829	232.810E	232.869	231.674E	---	---	5
6	---	---	---	233.184E	232.808E	232.715	232.829E	232.808E	232.883E	231.674	---	---	6
7	---	---	---	233.135	232.803	232.808E	232.829	232.806	232.910	231.674E	---	---	7
8	---	---	---	233.079E	232.803E	232.887	232.848	232.788E	232.388E	231.674	---	---	8
9	---	---	---	233.022E	232.803E	232.851E	232.828	232.780E	232.303E	231.811E	---	---	9
10	---	---	---	232.985	232.803	232.845	232.829E	232.782	232.249E	231.847E	---	---	10
11	---	---	---	232.940E	232.803E	232.828E	232.829	232.780E	232.195E	231.884	---	---	11
12	---	---	---	232.918	232.803	232.806	232.828E	232.778	232.142	231.867E	---	---	12
13	---	---	---	232.803E	232.803E	232.817E	232.842	232.774E	232.088E	231.880	---	---	13
14	---	---	---	232.888	232.803	232.826	232.848E	232.770	231.874	231.889E	---	---	14
15	---	---	---	232.673E	232.803E	232.828E	232.884	232.771E	---	231.899	---	---	15
16	---	---	---	232.868E	232.803	232.845	232.868E	232.773	---	231.889E	---	---	16
17	---	---	---	232.843	232.803E	232.849E	232.878	232.784E	---	231.888	---	---	17
18	---	---	---	232.831E	232.803	232.864	232.708E	232.764	---	231.884E	---	---	18
19	---	---	---	232.818	232.803E	232.878E	232.738E	232.745E	---	231.808	---	---	19
20	---	---	---	232.818E	232.803	232.903	232.770E	232.738E	---	231.770E	---	---	20
21	---	---	---	232.818	232.803E	232.718E	232.800	232.727	---	231.831	---	---	21
22	---	---	---	232.818E	232.803	232.727	232.808E	232.731E	---	232.047E	---	---	22
23	---	---	---	232.818E	232.742E	232.730E	232.812	232.715	---	232.182E	---	---	23
24	---	---	---	232.818	232.861	232.733	232.812E	232.708E	---	232.278	---	---	24
25	---	---	---	232.812E	232.861E	232.738E	232.812	232.703	---	232.468E	---	---	25
26	---	---	---	232.808	232.830	232.736	232.812E	232.702E	---	232.693	---	---	26
27	---	---	---	232.808E	232.803E	232.733E	232.812	232.703	---	---	---	---	27
28	---	---	---	232.808	232.888	232.727	232.808E	232.702E	---	---	---	---	28
29	---	---	---	232.808E	232.807E	232.713E	232.800	232.703	---	---	---	---	29
30	---		---	232.808	232.868	232.887	232.800E	232.687	---	---	---	---	30
31	---		---		232.870E		232.800	232.880		---		---	31
MEAN	---	---	---	---	232.757	232.887	232.710	232.755	---	---	---	---	MEAN
MAX	---	---	---	---	232.808	232.738	232.812	232.812	---	---	---	---	MAX
MIN	---	---	---	---	232.888	232.808	232.828	232.887	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 03 N
LONG 97 26 59 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1941

DRAINAGE AREA,
1 830 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE ST. NORBERT DAM - STATION NO. 05OC004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	236.060	235.740	235.728E	235.782	235.812	---	---	1
2	---	---	---	---	---	236.040	235.730E	235.771	235.777	235.208	---	---	2
3	---	---	---	---	236.043	236.028	235.718E	235.826	235.787	235.202	---	---	3
4	---	---	---	---	---	236.028	235.708E	235.834	235.782	235.197E	---	---	4
5	---	---	---	---	---	236.030	235.697E	235.868E	235.782	235.192	---	---	5
6	---	---	---	---	---	235.985	235.688E	235.883	235.742	235.192E	---	---	6
7	---	---	---	---	---	235.980	235.678	235.913	235.737E	235.183E	---	---	7
8	---	---	---	---	---	235.973	235.670	235.933	235.732	235.183	---	---	8
9	---	---	---	---	---	235.968E	235.660E	235.930	235.738E	235.183	---	---	9
10	---	---	---	---	---	235.955	235.648	235.923E	235.737E	235.247	---	---	10
11	---	---	---	---	---	235.942	235.644	235.918E	235.740E	235.234E	---	---	11
12	---	---	---	---	---	235.937E	235.647E	235.908	235.742	235.220E	---	---	12
13	---	---	---	---	---	235.933E	235.648	235.905	235.733	235.207	---	---	13
14	---	---	---	---	---	235.927	235.644E	235.903	235.685E	235.218E	---	---	14
15	---	---	---	---	236.187	235.930	235.639	235.886	235.037	235.224	---	---	15
16	---	---	---	---	236.185E	235.915	235.638	235.880E	235.067E	235.227	---	---	16
17	---	---	---	---	236.183	235.917E	235.644E	235.873E	235.087	235.227	---	---	17
18	---	---	---	---	236.184E	235.918E	235.648	235.885	235.103	235.229E	---	---	18
19	---	---	---	---	236.184E	235.930	235.648E	235.883	235.108E	235.230E	---	---	19
20	---	---	---	---	236.185	235.887	235.648	235.887	235.107	235.232	---	---	20
21	---	---	---	---	236.185E	235.885	235.648	235.885E	235.150E	235.237	---	---	21
22	---	---	---	---	236.184	235.882	235.641	235.882	235.193	235.237E	---	---	22
23	---	---	---	---	236.182	235.872E	235.638	235.844E	235.182E	235.237	---	---	23
24	---	---	---	---	236.080	235.882	235.631	235.835E	235.173	235.243	---	---	24
25	---	---	---	---	236.082E	235.880	235.627E	235.837	235.187	235.241E	---	---	25
26	---	---	---	---	236.078E	235.850	235.633	235.824	235.187E	235.240E	---	---	26
27	---	---	---	---	236.067	235.795	235.632E	235.820	235.207E	235.238E	---	---	27
28	---	---	---	---	236.072E	235.746	235.631	235.817	235.227E	235.236E	---	---	28
29	---	---	---	---	236.076E	235.740E	235.631E	235.812E	235.247	235.237	---	---	29
30	---		---	---	236.083	235.735	235.641	235.807	235.232	235.237E	---	---	30
31	---		---		236.143		235.684E	235.784		235.241E		---	31
MEAN	---	---	---	---	---	235.917	235.658	235.857	235.970	235.232	---	---	MEAN
MAX	---	---	---	---	---	236.060	235.740	235.930	235.247	235.247	---	---	MAX
MIN	---	---	---	---	---	235.735	235.631	235.735	235.732	235.183	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 43 17 N
LONG 97 14 36 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1941

DRAINAGE AREA,
2 410 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE STARBUCK DAM (P.R. 332) - STATION NO. 05OC605

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	235.811E	235.810E	235.827E	235.847E	235.804	235.871E	---	---	1
2	---	---	---	---	235.810	235.807	235.827E	235.846E	235.812E	235.870E	---	---	2
3	---	---	---	---	235.813E	235.804E	235.826E	235.844E	235.820	235.868E	---	---	3
4	---	---	---	---	235.818	235.801	235.826	235.842E	235.803E	235.865	---	---	4
5	---	---	---	---	235.816E	235.801E	235.828E	235.841E	235.806E	235.871E	---	---	5
6	---	---	---	---	235.820	235.801	235.863	235.839E	235.808E	235.874	---	---	6
7	---	---	---	---	---	235.809E	235.853E	235.838E	235.802	---	---	---	7
8	---	---	---	---	---	235.818	235.863	235.838E	235.803E	---	---	---	8
9	---	---	---	---	---	235.821E	235.848E	235.835	235.874	---	---	---	9
10	---	---	---	---	---	235.828	235.843E	235.832E	235.808E	---	---	---	10
11	---	---	---	---	---	235.828E	235.836	235.829E	235.808E	---	---	---	11
12	---	---	---	---	---	235.830E	235.843E	235.829	235.809E	---	---	---	12
13	---	---	---	---	---	235.833E	235.846E	235.823E	235.817	---	---	---	13
14	---	---	---	---	---	235.835	235.853	235.821E	235.830E	---	---	---	14
15	---	---	---	235.862	---	235.833E	235.847E	235.819E	235.844	---	---	---	15
16	---	---	---	235.854E	235.841	235.829	235.841	235.818	---	---	---	---	16
17	---	---	---	235.849E	235.842E	235.827E	235.845E	235.819E	---	---	---	---	17
18	---	---	---	235.838	235.844	235.826	235.850	235.821E	---	---	---	---	18
19	---	---	---	235.836E	235.841E	235.831E	235.856E	235.823	---	---	---	---	19
20	---	---	---	235.836	235.836	235.836E	235.862	235.824E	---	---	---	---	20
21	---	---	---	235.832	235.824E	235.841	235.861E	235.828E	---	---	---	---	21
22	---	---	---	235.831E	235.830E	235.835E	235.860E	235.827E	---	---	---	---	22
23	---	---	---	235.830E	235.828	235.829	235.859	235.829	---	---	---	---	23
24	---	---	---	235.829E	235.823E	235.830E	235.856E	235.826E	---	---	---	---	24
25	---	---	---	235.829	235.820	235.832	235.859E	235.824E	---	---	---	---	25
26	---	---	---	235.824E	235.821E	235.830E	235.859	235.827E	235.877	---	---	---	26
27	---	---	---	235.820	235.823	235.829	235.856E	235.827E	235.876E	---	---	---	27
28	---	---	---	235.818E	235.821E	235.826E	235.856	235.826E	235.874	---	---	---	28
29	---	---	---	235.813	235.819E	235.826E	235.853E	235.825	235.873E	---	---	---	29
30	---		---	235.812E	235.815	235.827E	235.850	235.823	235.872E	---	---	---	30
31	---		---		235.813E		235.846E	235.813E		---		---	31
MEAN	---	---	---	---	---	235.824	235.848	235.829	---	---	---	---	MEAN
MAX	---	---	---	---	---	235.841	235.863	235.847	---	---	---	---	MAX
MIN	---	---	---	---	---	235.801	235.826	235.813	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 49 13 N
LONG 97 38 54 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1961

DRAINAGE AREA,
1 710 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT ELIE - STATION NO. 05OC607

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	239.086	238.844E	239.115E	239.279	239.083	239.305	239.301E	---	1
2	---	---	---	---	239.088E	238.874E	239.117	239.268E	239.079	239.311	239.193E	---	2
3	---	---	---	---	239.101	238.984	239.122	239.256	239.085	239.313E	239.185	---	3
4	---	---	---	239.573	239.087	238.951	239.128	239.244	239.083E	239.316E	239.166E	---	4
5	---	---	---	239.471	239.083E	239.031	239.122	239.234	239.130	239.318E	239.180	---	5
6	---	---	---	239.351	239.086	239.085E	239.140E	239.217E	239.131E	239.316E	239.179E	---	6
7	---	---	---	239.307	239.088E	239.098E	239.157	239.200	239.142E	239.320	239.187	---	7
8	---	---	---	239.280E	239.090E	239.133	239.147	239.188E	239.153	239.322E	239.188E	---	8
9	---	---	---	239.270E	239.091	239.123	239.152E	239.169	239.131E	239.323E	239.170	---	9
10	---	---	---	239.262E	239.078	239.126E	239.157	239.160E	239.109	239.328	---	---	10
11	---	---	---	239.233E	239.078E	239.133	239.161E	239.172E	239.135	239.324E	---	---	11
12	---	---	---	239.215E	239.080	239.136	239.165	239.163	239.140E	239.323	---	---	12
13	---	---	---	239.186	239.071E	239.137E	239.171E	239.163E	239.156E	239.311	---	---	13
14	---	---	---	239.169	239.081	239.136	239.178	239.163	239.166	239.311E	---	---	14
15	---	---	---	239.163	239.084	239.146E	239.186	239.163E	239.172E	239.311E	---	---	15
16	---	---	---	239.146E	239.083E	239.158	239.208E	239.160	239.175	239.311	---	---	16
17	---	---	---	239.136	239.082E	---	239.218	239.156E	239.160E	239.313E	---	---	17
18	---	---	---	239.130E	239.081	---	239.226	239.156	239.165E	239.313	---	---	18
19	---	---	---	239.136	239.086E	---	239.236	239.160	239.160	239.307	---	---	19
20	---	---	---	239.126	239.081	---	239.252E	239.167	239.160	239.223	---	---	20
21	---	---	---	239.119	239.045E	---	239.266	239.173	239.210	239.223E	---	---	21
22	---	---	---	239.111	239.036	---	239.282	239.170E	239.216E	239.224E	---	---	22
23	---	---	---	239.108E	239.029E	---	239.262E	239.167	239.226	239.224E	---	---	23
24	---	---	---	239.107E	239.030	---	239.273	239.167E	239.216E	239.224E	---	---	24
25	---	---	---	239.105E	239.015E	---	239.266	239.167E	239.206	239.224E	---	---	25
26	---	---	---	239.103	239.010	---	239.261E	239.167	239.202E	239.226E	---	---	26
27	---	---	---	239.100E	239.009E	---	239.256	239.161E	239.198E	239.225	---	---	27
28	---	---	---	239.097	239.007E	---	239.253E	239.156E	239.196	239.226E	---	---	28
29	---	---	---	239.091	239.006E	239.117	239.250	239.149	239.196E	239.225	---	---	29
30	---		---	239.094E	239.004	239.113	239.256	239.116E	239.202E	239.217E	---	---	30
31	---		---		238.994E		239.266E	239.088		239.209E		---	31
MEAN	---	---	---	---	239.088	---	239.203	239.178	239.183	239.318	---	---	MEAN
MAX	---	---	---	---	239.101	---	239.282	239.276	239.226	239.226	---	---	MAX
MIN	---	---	---	---	238.994	---	239.116	239.088	239.085	239.209	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 54 05 N
LONG 97 45 52 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1962

DRAINAGE AREA,
192 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER NEAR ELIE - STATION NO. 05OC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1968

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1008	4.06 B	0.018	---	0.003E	0.247	0.003E	0.138	---	---	1
2	---	---	0.1008	3.73 B	0.018	---	0.003E	0.246	0.003E	0.146	---	---	2
3	---	---	0.1008	3.41 B	0.008E	---	0.003E	0.235	0.003E	0.156	---	---	3
4	---	---	0.1008	3.08 B	0.003E	---	0.003E	0.213	0.003E	0.151	---	---	4
5	---	---	0.1008	2.76 B	0.003E	---	0.041	0.193	0.003E	0.156	---	---	5
6	---	---	0.1008	2.44 B	0.003E	---	0.075	0.180	0.003E	0.173	---	---	6
7	---	---	0.1008	2.12 B	0.003E	---	0.088	0.180	0.003E	0.178	---	---	7
8	---	---	0.1008	1.78 B	0.003E	---	0.083	0.177	0.006	0.184	---	---	8
9	---	---	0.1008	1.47 B	0.003E	---	0.077	0.182	0.003E	0.185	---	---	9
10	---	---	0.1008	1.15 B	0.003E	---	0.088	0.188	0.003E	0.178	---	---	10
11	---	---	0.1008	0.8288	0.003A	---	0.087	0.178	0.003E	0.183	---	---	11
12	---	---	0.1008	0.380	---	---	0.108	0.186	0.027	0.157	---	---	12
13	---	---	0.1008	0.216	---	---	0.133	0.186	0.032	0.180	---	---	13
14	---	---	0.1008	0.133	---	---	0.130	0.181	0.062	0.143	---	---	14
15	---	---	0.1008	0.102	---	---	0.158	0.186	0.083	0.141	---	---	15
16	---	---	0.1008	0.083	---	---	0.200	0.184	0.082	0.180	---	---	16
17	---	---	0.1008	0.062	---	---	0.222	0.148	0.116	0.148	---	---	17
18	---	---	0.1008	0.027	---	---	0.241	0.139	0.130	0.167	---	---	18
19	---	---	0.1008	0.030	---	---	0.258	0.128	0.128	0.188	---	---	19
20	---	---	0.1008	0.031	---	---	0.262	0.141	0.109	0.172	---	---	20
21	---	---	0.1008	0.050	---	---	0.288	0.142	0.120	0.185	---	---	21
22	---	---	0.1008	0.085	---	0.0844A	0.288	0.147	0.147	0.184	---	---	22
23	---	---	0.1008	0.084	---	0.070	0.288	0.148	0.188	0.182	---	---	23
24	---	---	0.4388	0.072	---	0.087	0.288	0.138	0.179	0.184	---	---	24
25	---	---	1.17 B	0.075	---	0.076	0.284	0.120	0.148	0.183	---	---	25
26	---	---	1.71 B	0.088	0.002A	0.071	0.238	0.102	0.138	0.181	---	---	26
27	---	---	2.24 B	0.088	0.003E	0.088	0.210	0.085	0.135	0.208	---	---	27
28	---	---	2.76 B	0.088	0.003E	0.045	0.176	0.081	0.136	0.1928	---	---	28
29	---	---	3.31 B	0.048	0.004E	0.013	0.136	0.010	0.180	0.1788	---	---	29
30	---		3.86 B	0.038	0.003E	0.005	0.174	0.003E	0.180	0.1638	---	---	30
31	---		4.38 B		0.002A		0.238	0.003E		0.1488			31
TOTAL	---	---	32.376	28.488	---	---	4.888	4.533	3.324	5.084	---	---	TOTAL
MEAN	---	---	0.722	0.950	---	---	0.158	0.146	0.074	0.164	---	---	MEAN
MAX	---	---	4.38	4.06	---	---	0.288	0.247	0.170	0.208	---	---	MAX
MIN	---	---	0.100	0.027	---	---	0.003	0.003	0.003	0.139	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 4.380 ON MAR 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 13 N
LONG 97 48 54 W
DRAINAGE AREA, 198 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	433
FEB	---	AUG	381
MAR	1 830	SEP	182
APR	2 480	OCT	438
MAY	---	NOV	---
JUN	---	DEC	---

LA SALLE RIVER NEAR SANFORD - STATION NO. 05OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1968

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2508	0.2388	0.1848	0.5288	0.030	0.026	0.048	0.007	0	0.528	0.7388	0.3788	1
2	0.2388	0.2428	0.1838	1.40 E	0.002	0.020	0.048	0.017	0	0.647	0.672A	0.3588	2
3	0.2158	0.2488	0.1828	2.85 E	0.042	0.012	0.048	0.028	0	0.814	0.624A	0.3408	3
4	0.2088	0.2488	0.1818	8.28 E	0.082	0.012	0.041	0.028	0	0.881	0.578A	0.3128	4
5	0.1988	0.2508	0.1808	17.4 M	0.078	0.020	0.083	0.032	0	0.453	0.540A	0.3238	5
6	0.1908	0.2528	0.1888	14.8 E	0.027	0.027	0.052	0.030	0	0.548	0.504A	0.3408	6
7	0.1878	0.2548	0.1868	10.8 E	0.042	0.031	0.028	0.022	0	0.622	0.474A	0.3408	7
8	0.1858	0.2568	0.1878	6.88 E	0.328	0.028	0.023	0.013	0	0.828	0.438A	0.3248	8
9	0.1878	0.2588	0.1888	5.27 E	0.241	0.020	0.022	0.008	0.753	0.537	0.403A	0.3178	9
10	0.1908	0.2608	0.1888	3.88 E	0.148	0.023	0.013	0.008	0.888	0.881	0.3828	0.2888	10
11	0.1938	0.2588	0.1848	3.08	0.217	0.028	0.011	0.008	0.248	0.891	0.3868	0.2888	11
12	0.1848	0.2588	0.1838	2.48	0.488	0.021	0.018	0.004	1.18	0.888	0.3178	0.2888	12
13	0.1858	0.2548	0.1828	1.78	0.388	0.008	0.021	0.003	0.884	0.687	0.3128	0.2838	13
14	0.1858	0.2538	0.1818	1.23	0.408	0.010	0.018	0.002	0.308	0.884	0.2848	0.2838	14
15	0.1988	0.2628	0.1888	0.811	0.444	0.011	0.021	0.003	0.123	0.717	0.3078	0.3108	15
16	0.1878	0.2588	0.1788	0.787	0.287	0.018	0.021	0.004	0.038	0.814	0.3078	0.3068	16
17	0.1878	0.2488	0.1788	0.438	0.111	0.020	0.022	0.002	0.018	0.723	0.3068	0.1828	17
18	0.1868	0.2438	0.1778	0.348	0.088	0.027	0.023	0.002	0.001	0.783	0.2868	0.1738	18
19	0.1888	0.2488	0.1788	0.525	0.181	0.018	0.026	0.008	0.473	0.778	0.2478	0.2008	18
20	0.1888	0.2388	0.1788	0.434	0.122	0.018	0.021	0.004	0.853	0.871	0.2288	0.2288	20
21	0.2008	0.2308	0.1748	0.548	0.188	0.018	0.018	0.001	0.781	0.788	0.2088	0.2108	21
22	0.2028	0.2258	0.1748	0.428	0.077	0.017	0.020	0	0.708	0.884	0.1738	0.2318	22
23	0.2038	0.2198	0.8687	0.384	0.081	0.027	0.018	0	0.588	0.373	0.1788	0.2008	23
24	0.2048	0.2188	1.78	0.388	0.088	0.028	0.018	0	0.448	0.288	0.2008	0.2128	24
25	0.2088	0.2088	1.48 B	0.438	0.043	0.018	0.018	0	0.471	0.817	0.3018	0.2788	25
26	0.2068	0.2038	0.8858	0.218	0.036	0.008	0.018	0	0.488	0.818	0.3858	0.2218	26
27	0.2138	0.2018	0.8828	0.137	0.037	0.018	0.008	0	0.883	0.824	0.4828	0.2348	27
28	0.2188	0.1988	0.8818	0.383	0.048	0.033	0.008	0	0.813	0.388	0.4288	0.2478	28
29	0.2248	0.1978	0.8858	0.278	0.043	0.033	0.037	0	0.282	0.878	0.4288	0.1678	28
30	0.2388		0.4138	0.181	0.027	0.048	0.021	0	0.242	0.887	0.4228	0.1888	30
31	0.2358		0.1978		0.034		0.018	0		0.731A		0.1488	31
TOTAL	6.341	6.888	10.345	88.888	4.278	0.828	0.782	0.233	11.148	17.818	11.847	8.218	TOTAL
MEAN	0.205	0.238	0.334	2.98	0.138	0.021	0.025	0.007	0.372	0.575	0.388	0.285	MEAN
MAX	0.258	0.258	1.44	17.4	0.488	0.048	0.053	0.032	1.18	0.814	0.738	0.378	MAX
MIN	0.188	0.187	0.174	0.137	0.002	0.008	0.008	0	0	0.818	0.173	0.148	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.487
MAXIMUM DAILY, 17.48 ON APR 6
MINIMUM DAILY, 0 ON AUG 23
MAXIMUM INSTANTANEOUS,
18.18 AT 18:48 CST ON APR 6

SUMMARY FOR THE YEAR 1968

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 45 N
LONG 97 25 48 W
DRAINAGE AREA, 1 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	948	JUL	87.8
FEB	936	AUG	19.3
MAR	894	SEP	883
APR	7 880	OCT	1 840
MAY	388	NOV	1 810
JUN	84.8	DEC	710

TOTAL DISCHARGE, 14 400 dam³

LAKE IRWIN NEAR NEEPAWA - STATION NO. 05LL010

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	359.021	358.928	358.912	359.085	359.037	358.926	358.719	358.824	358.236	358.118	358.088	358.168	1
2	359.018	358.927	358.918	359.082	359.068	358.921	358.706	358.818	358.221	358.112	358.088	358.162	2
3	359.018	358.923	358.928	359.076	359.060	358.922	358.697	358.801	358.207	358.108	358.078	358.168	3
4	359.013	358.918	358.932	359.084	359.068	358.917	358.687	358.592	358.192	358.109	358.088	358.168	4
5	359.008	358.914	358.938	359.082	359.064	358.913	358.673	358.578	358.184	358.112	358.088	358.169	5
6	359.008	358.912	358.951	359.101	359.080	358.901	358.676	358.585	358.178	358.117	358.088	358.168	6
7	359.001	358.914	358.963	359.101	359.068	358.890	358.686	358.637	358.161	358.116	358.104	358.172	7
8	358.998	358.918	358.978	359.098	359.082	358.878	358.701	358.626	358.137	358.116	358.114	358.174	8
9	358.990	358.910	358.988	359.098	359.092	358.867	358.716	358.611	358.121	358.112	358.120	358.172	9
10	358.984	358.903	359.010	359.088	359.088	358.864	358.736	358.601	358.116	358.108	358.127	358.169	10
11	358.980	358.900	359.032	359.083	359.086	358.839	358.765	358.477	358.142	358.104	358.133	358.173	11
12	358.977	358.898	359.038	359.078	359.077	358.831	358.787	358.467	358.160	358.103	358.137	358.174	12
13	358.972	358.900	359.041	359.070	359.074	358.820	358.778	358.468	358.185	358.098	358.139	358.170	13
14	358.884	358.897	359.046	359.068	359.068	358.806	358.778	358.445	358.182	358.095	358.141	358.173	14
15	358.882	358.894	359.062	359.063	359.060	358.802	358.778	358.428	358.160	358.082	358.148	358.172	15
16	358.881	358.894	359.063	359.063	359.058	358.885	358.777	358.413	358.169	358.090	358.164	358.174	16
17	358.880	358.892	359.064	359.065	359.064	358.873	358.771	358.418	358.148	358.087	358.163	358.176	17
18	358.864	358.893	359.063	359.064	359.065	358.864	358.766	358.404	358.137	358.082	358.164	358.176A	18
19	358.848	358.885	359.063	359.060	359.063	358.851	358.763	358.381	358.140	358.080	358.162	358.173E	19
20	358.848	358.883	359.064	359.048	359.063	358.844	358.767	358.378	358.136	358.074	358.162	358.176E	20
21	358.838	358.882	359.064	359.048	359.068	358.828	358.761	358.378	358.140	358.074	358.162	358.176E	21
22	358.836	358.885	359.062	359.047	359.066	358.817	358.742	358.384	358.132	358.072	358.163	358.176E	22
23	358.837	358.884	359.063	359.041	359.062	358.807	358.726	358.365	358.126	358.087	358.167	358.176E	23
24	358.838	358.881	359.062	359.038	359.062	358.787	358.722	358.338	358.123	358.085	358.169	358.176E	24
25	358.834	358.884	359.078	359.032	359.064	358.778	358.713	358.322	358.120	358.084	358.164	358.177E	25
26	358.835	358.885	359.071	359.038	359.061	358.783	358.702	358.300	358.116	358.084	358.163	358.178E	26
27	358.831	358.887	359.085	359.033	359.061	358.768	358.688	358.285	358.113	358.088	358.166	358.177E	27
28	358.836	358.905	359.092	359.035	359.061	358.738	358.672	358.285	358.118	358.086	358.166	358.178E	28
29	358.833	358.905	359.084	359.035	359.062	358.728	358.658	358.277	358.121	358.088	358.167	358.181E	29
30	358.832		359.083	359.034	359.038	358.721	358.647	358.288	358.119	358.088	358.167	358.181E	30
31	358.830		359.084		359.033		358.634	358.268		358.085		358.181E	31
MEAN	358.868	358.903	359.021	359.062	359.062	358.887	358.721	358.430	358.150	358.090	358.134	358.174	MEAN
MAX	359.021	358.929	359.078	359.101	359.092	358.926	358.778	358.824	358.236	358.118	358.167	358.181	MAX
MIN	358.830	358.891	358.912	359.032	359.033	358.721	358.634	358.268	358.113	358.084	358.088	358.162	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 358.833
MAXIMUM DAILY, 359.101 ON APR 8
MINIMUM DAILY, 358.884 ON OCT 25
MAXIMUM INSTANTANEOUS,
359.101 AT 10:48 CST ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 48 N
LONG 99 26 36 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1969

DRAINAGE AREA,
850 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1988, PUBLISHED AS "NEEPAWA RESERVOIR"

LAKE MANITOBA AT STEEP ROCK - STATION NO. 05LK002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.481	247.472	247.486	247.478	247.588	247.864	247.583	247.432	247.372	247.370	247.320	247.361	1
2	247.486	247.472	247.487	247.478	247.577	247.818	247.587	247.388	247.348	247.350	247.372	247.370	2
3	247.488	247.473	247.488	247.478	247.538	247.805	247.581	247.422	247.328	247.311	247.367	247.388	3
4	247.482	247.488	247.482	247.471	247.512	247.802	247.522	247.418	247.308	247.318	247.363	247.385	4
5	247.482	247.488	247.488	247.473	247.507	247.818	247.500	247.428	247.314	247.348	247.327	247.388	5
6	247.488	247.478	247.482	247.488	247.518	247.834	247.488	247.427	247.342	247.362	247.348	247.387	6
7	247.488	247.488	247.482	247.484	247.564	247.828	247.581	247.434	247.362	247.364	247.372	247.388	7
8	247.485	247.488	247.488	247.488	247.522	247.878	247.540	247.411	247.410	247.352	247.388	247.387	8
9	247.484	247.488	247.485	247.487	247.548	247.818	247.483	247.421	247.378	247.383	247.388	247.387	9
10	247.488	247.485	247.485	247.483	247.548	247.838	247.468	247.388	247.318	247.318	247.352	247.388	10
11	247.488	247.484	247.488	247.488	247.588	247.822	247.435	247.388	247.344	247.327	247.481	247.378	11
12	247.485	247.483	247.488	247.478	247.573	247.808	247.488	247.383	247.382	247.388	247.384	247.384	12
13	247.488	247.485	247.488	247.483	247.583	247.883	247.487	247.388	247.387	247.384	247.384	247.384	13
14	247.488	247.488	247.488	247.481	247.511	247.818	247.478	247.384	247.318	247.388	247.368	247.378	14
15	247.483	247.478	247.483	247.487	247.587	247.818	247.487	247.388	247.342	247.341	247.338	247.384	15
16	247.487	247.477	247.483	247.473	247.584	247.849	247.473	247.344	247.338	247.384	247.383	247.388	16
17	247.483	247.478	247.484	247.481	247.588	247.885	247.488	247.325	247.388	247.344	247.382	247.387	17
18	247.487	247.474	247.484	247.487	247.532	247.887	247.488	247.388	247.313	247.338	247.312	247.388	18
19	247.484	247.474	247.480	247.488	247.525	247.888	247.485	247.385	247.228	247.347	247.324	247.384	19
20	247.489	247.473	247.488	247.488	247.508	247.848	247.427	247.378	247.284	247.388	247.332	247.388	20
21	247.484	247.471	247.484	247.484	247.503	247.838	247.446	247.408	247.324	247.348	247.341	247.384	21
22	247.488	247.478	247.482	247.488	247.513	247.487	247.471	247.472	247.388	247.485	247.348	247.384	22
23	247.488	247.471	247.488	247.488	247.578	247.803	247.471	247.484	247.388	247.348	247.388	247.381	23
24	247.488	247.478	247.482	247.485	247.578	247.488	247.478	247.418	247.331	247.388	247.388	247.388	24
25	247.488	247.488	247.488	247.488	247.518	247.811	247.483	247.388	247.333	247.388	247.348	247.388	25
26	247.481	247.483	247.488	247.482	247.528	247.488	247.481	247.348	247.331	247.283	247.384	247.388	26
27	247.488	247.485	247.478	247.488	247.513	247.804	247.488	247.322	247.332	247.244	247.348	247.387	27
28	247.488	247.488	247.478	247.511	247.508	247.488	247.478	247.388	247.383	247.248	247.383	247.381	28
29	247.488	247.488	247.488	247.522	247.518	247.529	247.488	247.318	247.388	247.277	247.388	247.388	29
30	247.484		247.474	247.588	247.534	247.588	247.441	247.348	247.388	247.304	247.388	247.388	30
31	247.488		247.474		247.581		247.437	247.384		247.288		247.388	31
MEAN	247.483	247.488	247.488	247.474	247.584	247.883	247.478	247.387	247.334	247.338	247.348	247.381	MEAN
MAX	247.488	247.477	247.488	247.588	247.581	247.864	247.587	247.472	247.418	247.485	247.481	247.388	MAX
MIN	247.488	247.488	247.488	247.481	247.587	247.488	247.435	247.388	247.228	247.244	247.283	247.381	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 247.439
MAXIMUM DAILY, 247.581 ON MAY 31
MINIMUM DAILY, 247.228 ON SEP 19
MAXIMUM INSTANTANEOUS,
247.734 AT 11:36 CST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 36 N
LONG 98 48 13 W

REGULATED SINCE 1934

DRAINAGE AREA,
89 100 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

REMARKS - MAX. INSTANTANEOUS WATER LEVEL WAS MANUALLY CALCULATED

LAKE MANITOBA AT THE NARROWS - STATION NO. 05LK003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.458	247.463	247.458	247.475	247.852	247.844	247.652	247.416	247.352	247.287	247.348	247.387	1
2	247.456	247.465	247.457	247.474	247.448	247.885	247.673	247.411	247.278	247.305	247.412	247.387	2
3	247.454	247.463	247.458	247.474	247.405	247.867	247.668	247.385	247.302	247.193	247.344	247.385	3
4	247.450	247.461	247.457	247.475	247.438	247.908	247.611	247.420	247.304	247.347	247.335	247.388	4
5	247.453	247.459	247.456	247.474	247.530	247.921	247.657	247.418	247.352	247.351	247.314	247.388	5
6	247.450	247.462	247.455	247.478	247.582	247.938	247.672	247.420	247.378	247.345	247.353	247.387	6
7	247.455	247.462	247.455	247.475	247.525	247.978	247.688	247.328	247.391	247.324	247.388	247.388	7
8	247.455	247.461	247.455	247.470	247.488	247.588	247.693	247.385	247.281	247.348	247.344	247.370	8
9	247.451	247.457	247.450	247.478	247.570	247.831	247 395	247.412	247.289	247.288	247.314	247.370	9
10	247.458	247.462	247.459	247.480	247.585	247.988	247.390	247.386	247.340	247.184	247.323	247.388	10
11	247.455	247.464	247.450	247.483	247.585	247.812	247.458	247.384	247.298	247.341	247.432	247.370	11
12	247.455	247.465	247.464	247.481	247.518	247.902	247.505	247.357	247.321	247.421	247.352	247.378	12
13	247.453	247.468	247.457	247.474	247.523	247.486	247.405	247.381	247.330	247.378	247.335	247.378	13
14	247.450	247.457	247.452E	247.476	247.518	247.473	247.471	247.390	247.377	247.338	247.230	247.371	14
15	247.451	247.471	247.451E	247.480	247.441	247.502	247.404	247.371	247.362	247.319	247.328	247.378	15
16	247.452	247.471	247.452E	247.471	247.812	247.886	247.445	247.363	247.385	247.280	247.111	247.389	16
17	247.457	247.476	247.452E	247.462	247.885	247.880	247.448	247.335	247.334	247.334	247.380	247.372	17
18	247.458	247.478	247.453E	247.470	247.862	247.836	247.437	247.385	247.227	247.287	247.348	247.374	18
19	247.458	247.488	247.451E	247.481	247.858	247.482	247.422	247.403	247.107	247.385	247.345	247.371	19
20	247.459	247.488	247.449E	247.484	247.882	247.425	247.370	247.315	247.322	247.381	247.375	20	
21	247.451	247.471	247.488E	247.484	247.882	247.475	247.474	247.423	247.377	247.280	247.383	247.380	21
22	247.452	247.487	247.455A	247.487	247.804	247.476	247.476	247.377	247.328	247.844	247.381	247.374	22
23	247.451	247.488	247.452	247.488	247.870	247.878	247.424	247.281	247.334	247.180	247.382	247.378	23
24	247.451	247.488	247.488	247.470	247.838	247.481	247.441	247.328	247.320	247.232	247.388	247.380	24
25	247.451	247.488	247.482	247.211	247.878	247.452	247.420	247.282	247.328	247.202	247.380	247.381	25
26	247.451	247.482	247.488	247.480	247.882	247.901	247.427	247.348	247.338	247.344	247.380	247.381	26
27	247.452	247.488	247.470	247.513	247.884	247.878	247.437	247.333	247.318	247.178	247.341	247.377	27
28	247.454	247.451	247.472	247.518	247.904	247.488	247.408	247.302	247.394	247.241	247.381	247.388	28
29	247.450	247.488	247.474	247.845	247.888	247.944	247.385	247.387	247.384	247.328	247.383	247.387	29
30	247.458		247.477	247.878	247.835	247.888	247.443	247.428	247.334	247.380	247.381	247.382	30
31	247.458		247.474		247.838		247.408	247.384		247.318		247.388	31
MEAN	247.455	247.485	247.488	247.473	247.884	247.844	247.440	247.385	247.334	247.307	247.341	247.374	MEAN
MAX	247.464	247.478	247.477	247.878	247.888	247.831	247.808	247.428	247.394	247.844	247.422	247.387	MAX
MIN	247.450	247.457	247.448	247.211	247.405	247.452	247.385	247.233	247.107	247.180	247.111	247.385	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 247.426
MAXIMUM DAILY, 247.788 ON MAY 17
MINIMUM DAILY, 247.107 ON SEP 18
MAXIMUM INSTANTANEOUS,
247.883 AT 10:41 CST ON OCT 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 04 50 N
LONG 99 48 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1934

DRAINAGE AREA,
70 900 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

LAKE MANITOBA NEAR TOOTES AIDES - STATION NO. 05LK004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.371	247.371	247.378	247.383	247.814	247.887	247.648	247.382	247.286	247.284	247.212	247.301	1
2	247.378	247.384	247.377	247.387	247.817	247.848	247.681	247.387	247.281	247.248	247.288	247.300	2
3	247.371	247.378	247.378	247.385	247.873	247.827	247.800	247.308	247.238	247.194	247.288	247.295	3
4	247.384	247.372	247.377	247.407	247.433	247.848	247.484	247.283	247.218	247.183	247.288	247.301	4
5	247.388	247.373	247.383	247.404	247.462	247.883	247.488	247.348	247.222	247.218	247.274	247.308	5
6	247.378	247.382	247.378	247.402	247.481	247.826	247.472	247.380	247.238	247.288	247.281	247.301	6
7	247.381	247.380	247.383	247.386	247.827	247.840	247.388	247.298	247.281	247.287	247.337	247.298	7
8	247.378	247.380	247.377	247.381	247.881	247.881	247.388	247.287	247.182	247.284	247.284	247.283	8
9	247.382	247.388	247.383	247.378	247.488	247.888	247.383	247.288	247.088	247.277	247.283	247.283	9
10	247.383	247.371	247.383	247.383	247.881	247.887	247.344	247.330	247.188	247.212	247.227	247.294	10
11	247.377	247.382	247.372	247.388	247.810	247.888	247.388	247.307	247.280	247.218	247.278	247.302	11
12	247.372	247.388	247.381	247.383	247.828	247.828	247.484	247.327	247.182	247.284	247.303	247.313	12
13	247.378	247.382	247.382	247.377	247.483	247.888	247.438	247.318	247.184	247.344	247.281	247.307	13
14	247.384	247.383	247.378	247.378	247.888	247.488	247.412	247.308	247.188	247.323	247.272	247.283	14
15	247.387	247.382	247.387	247.388	247.878	247.448	247.388	247.318	247.238	247.298	247.285	247.283	15
16	247.388	247.383	247.372	247.408	247.823	247.448	247.388	247.382	247.382	247.288	247.288	247.302	16
17	247.380	247.384	247.378	247.383	247.888	247.827	247.358	247.381	247.313	247.288	247.243	247.301	17
18	247.381	247.381	247.388	247.382	247.883	247.825	247.347	247.321	247.284	247.282	247.248	247.308	18
19	247.377	247.388	247.388	247.383	247.883	247.483	247.381	247.388	247.283	247.232	247.288	247.308	19
20	247.378	247.378	247.388	247.382	247.844	247.483	247.323	247.398	247.284	247.288	247.274	247.303	20
21	247.388	247.388	247.378	247.378	247.848	247.481	247.388	247.448	247.181	247.288	247.284	247.313	21
22	247.382	247.383	247.377	247.384	247.823	247.488	247.381	247.328	247.218	247.272	247.282	247.318	22
23	247.384	247.378	247.388	247.484	247.888	247.832	247.417	247.284	247.188	247.221	247.308	247.301	23
24	247.377	247.372	247.382	247.478	247.887	247.847	247.388	247.388	247.384	247.188	247.383	247.383	24
25	247.378	247.388	247.384	247.482	247.818	247.438	247.388	247.323	247.218	247.083	247.288	247.388	25
26	247.382	247.388	247.381	247.417	247.888	247.448	247.378	247.388	247.388	247.072	247.388	247.387	26
27	247.388	247.382	247.388	247.431	247.888	247.884	247.388	247.381	247.378	247.144	247.288	247.388	27
28	247.384	247.388	247.388	247.438	247.888	247.888	247.413	247.147	247.328	247.048	247.284	247.381	28
29	247.388	247.388	247.383	247.488	247.888	247.884	247.383	247.181	247.288	247.087	247.281	247.317	29
30	247.378		247.383	247.484	247.881	247.818	247.347	247.288	247.381	247.117	247.288	247.388	30
31	247.387		247.387		247.838		247.388	247.318		247.183		247.387	31
MEAN	247.378	247.383	247.377	247.408	247.838	247.848	247.388	247.388	247.338	247.214	247.278	247.383	MEAN
MAX	247.384	247.384	247.388	247.484	247.883	247.888	247.848	247.448	247.328	247.344	247.327	247.318	MAX
MIN	247.388	247.388	247.381	247.378	247.433	247.438	247.323	247.147	247.088	247.048	247.212	247.282	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 247.383
MAXIMUM DAILY, 247.888 ON JUN 9
MINIMUM DAILY, 247.048 ON OCT 26
MAXIMUM INSTANTANEOUS,
247.726 AT 17:36 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 18 N
LONG 99 33 23 W

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

LAKE MANITOBA NEAR WESTBOURNE - STATION NO. 05LL012

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.418	247.431	247.431	247.448	247.610	247.667	247.264	247.432	247.326	247.260	247.347	247.344	1
2	247.419	247.433	247.428	247.453	247.632	247.648	247.227	247.434	247.408	247.261	247.280	247.342	2
3	247.412	247.433	247.434	247.468	247.676	247.625	247.208	247.383	247.431	247.272	247.344	247.347	3
4	247.412	247.435	247.424	247.453	247.668	247.628	247.444	247.404	247.441	247.332	247.400	247.342	4
5	247.418	247.434	247.432	247.448	247.661	247.674	247.448	247.383	247.377	247.283	247.382	247.348	5
6	247.412	247.429	247.432	247.462	247.671	247.655	247.440	247.385	247.301	247.288	247.337	247.348	6
7	247.418	247.434	247.431	247.478	247.613	247.612	247.284	247.418	247.223	247.319	247.284	247.348	7
8	247.418	247.434	247.428	247.478	247.724	247.544	247.413	247.288	247.188	247.301	247.308	247.348	8
9	247.418	247.433	247.428	247.471	247.820	247.372	247.241	247.327	247.201	247.310	247.372	247.348	9
10	247.421	247.434	247.431	247.467	247.821	247.402	247.581	247.378	247.280	247.427	247.327	247.252	10
11	247.426	247.426	247.438	247.467	247.885	247.477	247.488	247.414	247.278	247.332	247.284	247.344	11
12	247.428	247.434	247.438	247.467	247.886	247.482	247.432	247.480A	247.273	247.248	247.310	247.342	12
13	247.425	247.438	247.442	247.469	247.884	247.488	247.488	247.413	247.277	247.244	247.288	247.280	13
14	247.426	247.428	247.428	247.472	247.886	247.537	247.448	247.388	247.280	247.271	247.281	247.284	14
15	247.428	247.443	247.434	247.469	247.872A	247.544	247.457	247.380	247.328	247.288	247.448	247.348	15
16	247.418	247.443	247.434	247.458	247.874A	247.485	247.417	247.477A	247.309	247.258	247.813	247.280	16
17	247.428	247.438	247.432	247.471	247.884	247.436	247.436	247.811A	247.322	247.228	247.428	247.284	17
18	247.424	247.438	247.431	247.469	247.886	247.444	247.443	247.404	247.842	247.288	247.270	247.280	18
19	247.421	247.441	247.427	247.472	247.822	247.484	247.458	247.360	247.882	247.221	247.267	247.282	19
20	247.428	247.437	247.428	247.474	247.805	247.432	247.478	247.388	247.448	247.287	247.338	247.282	20
21	247.422	247.437	247.428	247.478	247.813	247.506	247.427	247.322	247.328	247.281	247.282	247.282	21
22	247.424	247.438	247.428	247.472	247.886	247.528	247.280	247.188	247.282	247.182	247.281	247.288	22
23	247.428	247.431	247.434	247.488	247.827	247.438	247.438A	247.318	247.333	247.410	247.348	247.280	23
24	247.428	247.438	247.438	247.413	247.882	247.448	247.448	247.370	247.383	247.428	247.348	247.288	24
25	247.438	247.438	247.440	247.818	247.881	247.804	247.438	247.440	247.288	247.428	247.348	247.282	25
26	247.427	247.440	247.482	247.482	247.884	247.478	247.618	247.288	247.288	247.282	247.282	247.288	26
27	247.430	247.438	247.488	247.481	247.833	247.480	247.613	247.448	247.280	247.884	247.278	247.288	27
28	247.422	247.432	247.484	247.480	247.877	247.482	247.484A	247.448	247.288	247.448	247.281	247.289	28
29	247.433	247.439	247.448	247.488	247.881	247.382	247.481	247.388	247.288	247.283	247.348	247.281	29
30	247.428		247.480	247.428	247.812	247.318	247.418	247.318	247.288	247.287	247.348	247.283	30
31	247.431		247.482		247.472		247.438A	247.342		247.282		247.271	31
MEAN	247.423	247.435	247.438	247.488	247.887	247.474	247.431	247.287	247.283	247.280	247.280	247.284	MEAN
MAX	247.438	247.443	247.488	247.818	247.724	247.887	247.881	247.811	247.882	247.884	247.813	247.271	MAX
MIN	247.412	247.424	247.424	247.413	247.410	247.318	247.227	247.188	247.188	247.182	247.284	247.242	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 247.423
MAXIMUM DAILY, 247.724 ON MAY 9
MINIMUM DAILY, 247.188 ON AUG 22
MAXIMUM INSTANTANEOUS,
248.263 AT 10:40 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 98 34 50 W

A - MANUAL GAUGE

REGULATED SINCE 1934

DRAINAGE AREA,
70 800 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1935 ADJ.)

LAKE MINNEWASTA NEAR MORDEN - STATION NO. 05DC027

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	328.234	328.088	327.988	328.847	328.481	328.213	327.800	327.413	328.844E	328.831	328.282	328.044	1
2	328.231	328.082	328.012	328.888	328.481	328.198	327.787	327.398	328.828E	328.823	328.188	328.040	2
3	328.233	328.087	328.028	328.890	328.483	328.183	327.778	327.380	328.807E	328.817	328.177	328.030	3
4	328.218	328.082	328.034	328.818	328.441	328.168	327.782	327.382	328.788E	328.806	328.172	328.027	4
5	328.208	328.078	328.043	328.827	328.428	328.162	327.762	327.347	328.788E	328.483	328.188	328.024	5
6	328.204	328.072	328.083	328.832	328.428	328.138	327.747	327.328	328.781E	328.482	328.182	328.018	6
7	328.188	328.088	328.118	328.830	328.428	328.118	327.748	327.308	328.733A	328.472	328.188	328.001	7
8	328.180	328.088	328.188	328.831	328.427	328.087	327.730	327.388	328.734	328.484	328.189	328.002	8
9	328.178A	328.083	328.183	328.838	328.428	328.074	327.718	327.383	328.788	328.487	328.188	328.884	9
10	328.178E	328.083	328.218	328.821	328.418	328.068	327.788	327.343	328.882	328.448	328.184	328.888	10
11	328.178E	328.048	328.288	328.828	328.411	328.042	327.886	327.318	328.884	328.427	328.188	328.874	11
12	328.178E	328.043	328.288	328.812	328.408	328.024	327.878	327.188	328.883	328.427	328.184	328.877	12
13	328.178A	328.040	328.318	328.883	328.381	328.008	327.878	327.174	328.882	328.428	328.147	328.878	13
14	328.178	328.034	328.328	328.882	328.381	327.888	327.887	327.178	328.873	328.411	328.148	328.887	14
15	328.178	328.038	328.351	328.888	328.388	327.888	327.882	327.188	328.888	328.488	328.144	328.848	15
16	328.174	328.028	328.381	328.882	328.378	327.887	327.848	327.142	328.888	328.481	328.142	328.844	16
17	328.188	328.028	328.332	328.878	328.378	327.877	327.838	327.122	328.841	328.388	328.128	328.838	17
18	328.188	328.021	328.332	328.888	328.381	327.888	327.827	327.182	328.838	328.388	328.124	328.832	18
19	328.188	328.014	328.338	328.888	328.388	327.877	327.813	327.888	328.837	328.374	328.118	328.823	19
20	328.182	328.008	328.338	328.848	328.748	327.884	327.882	327.888	328.818	328.388	328.118	328.812	20
21	328.148	328.008	328.321	328.838	328.338	327.847	327.888	327.848	328.812	328.388	328.112	328.882	21
22	328.128	327.988	328.338	328.832	328.338	327.828	327.877	327.838E	328.808	328.248	328.108	328.887	22
23	328.127	327.981	328.323	328.828	328.318	327.814	327.848	327.812E	328.883	328.312	328.088	328.884	23
24	328.124	327.988	328.378	328.821	328.388	327.888	327.841	328.883E	328.848	328.388	328.083	328.884	24
25	328.128	327.983	328.448	328.818	328.382	327.882	327.827	328.878E	328.873	328.288	328.088	328.874	25
26	328.124	327.983	328.478	328.807	328.278	327.881	327.888	328.888E	328.888	328.274	328.077	328.887	26
27	328.128	327.981	328.484	328.881	328.283	327.878	327.881	328.837E	328.887	328.288	328.087	328.888	27
28	328.118	327.984	328.888	328.483	328.288	327.888	327.874	328.818E	328.884	328.258	328.088	328.888	28
29	328.111	327.988	328.818	328.488	328.248	327.838	327.887	328.888E	328.848	328.238	328.088	328.848	29
30	328.188		328.823	328.478	328.238	327.814	327.438	328.881E	328.841	328.228	328.048	328.838	30
31	328.183		328.834		328.232		327.428	328.883E		328.213		328.831	31
MEAN	328.168	328.032	328.287	328.887	328.388	328.008	327.832	327.137	328.888	328.388	328.138	328.841	MEAN
MAX	328.234	328.088	328.834	328.832	328.488	328.213	327.888	327.413	328.844	328.831	328.282	328.844	MAX
MIN	328.183	327.981	327.988	328.478	328.222	327.814	327.428	328.882	328.841	328.213	328.048	328.831	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 327.441
MAXIMUM DAILY, 328.832 ON APR 9
MINIMUM DAILY, 328.831 ON DEC 31
MAXIMUM INSTANTANEOUS,
328.838 AT 17:30 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 55 N
LONG 98 08 04 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE OF THE PRAIRIES NEAR SHELLMOUTH - STATION NO. 05MD005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	426.908	426.870	426.840	426.827	426.788	426.673	426.184	427.586	427.287	426.986	426.886	426.710	1
2	426.900	426.877	426.839	426.858	426.863	426.637	426.137	427.586	427.286	426.983	426.849	426.704	2
3	426.887	426.878	426.840	426.829	426.810	426.595	426.113	427.578	427.278	426.980	426.847	426.700	3
4	426.876	426.871	426.841	426.162	426.858	426.557	426.078	427.585	427.283	426.954	426.843E	426.693	4
5	426.868	426.868	426.842	426.284	426.821	426.508	426.043	427.546	427.247	426.891	426.838E	426.688	5
6	426.854	426.867	426.845	426.444	426.867	426.478	426.021	427.531	427.227	426.851E	426.836	426.683	6
7	426.844	426.865	426.848	426.588	426.193	426.452	427.983	427.536	427.137	426.846E	426.831E	426.688	7
8	426.834	426.863	426.848	426.754	426.318	426.380	427.868	427.500	427.024	426.846E	426.826E	426.685	8
9	426.823	426.858	426.852	426.888	426.431	426.238	427.847	427.486	426.988	426.840E	426.824E	426.680	9
10	426.811	426.858	426.871	427.056	426.504	426.307	427.808	427.481	426.976	426.837E	426.822	426.683	10
11	426.798	426.854	426.873	427.232	426.581	426.262	427.674	427.489	426.967	426.832E	426.806	426.685	11
12	426.787	426.857	426.876	427.414	426.648	426.231	427.548	427.482	426.956	426.828E	426.817	426.643	12
13	426.778	426.857	426.881	427.589	426.681	426.176	427.852	427.451	426.972	426.828E	426.813	426.637	13
14	426.784	426.851	426.886	427.752	426.730	426.120	427.842	427.427	426.988	426.822E	426.808	426.636	14
15	426.797	426.853	426.888	428.004	426.760	426.068	427.841	427.432	426.946	426.818E	426.788E	426.635	15
16	426.738	426.848	426.883	428.089	426.785	426.988	427.818	427.438	426.952	426.815E	426.780E	426.634	16
17	426.726	426.848	426.888	428.184	426.788	426.962	427.809	427.448	426.885	426.811E	426.782	426.633	17
18	426.714	426.847	426.888	428.268	426.844	426.911	427.786	427.429	426.867	426.807E	426.781	426.632	18
19	426.704	426.851	426.784	428.351	426.852	426.871	427.781	427.421	426.889	426.804E	426.778	426.630	19
20	426.698	426.842	426.788	428.431	426.888	426.767	427.777	427.416	426.852	426.800E	426.770	426.630	20
21	426.691	426.841	426.788	428.503	426.886	426.763	427.765	427.403	426.831	426.808E	426.785	426.638	21
22	426.688	426.834	426.712	428.582	426.884	426.684	427.735	427.387	426.864	426.802E	426.780	426.627	22
23	426.690	426.830	426.724	428.613	426.848	426.618	427.763	427.412	426.844	426.809E	426.788	426.626	23
24	426.682	426.832	426.788	428.686	426.817	426.588	427.717	427.400	426.851	426.805E	426.748	426.624	24
25	426.688	426.834	426.808	428.681	426.826	426.516	427.711	427.385	426.842	426.802E	426.743	426.622	25
26	426.667	426.838	426.828	428.718	426.788	426.438	427.698	427.373	426.853	426.878A	426.742	426.621	26
27	426.668	426.838	426.887	428.732	426.768	426.361	427.670	427.385	426.864	426.870E	426.734	426.614	27
28	426.668	426.840	426.866	428.744	426.788	426.327	427.677	427.340	426.880	426.870E	426.728	426.588	28
29	426.686	426.841	426.887	428.747	426.748	426.246	427.668	427.318	426.846	426.874	426.721	426.585	29
30	426.663		428.818	428.787	426.718	426.185	427.628	427.283	426.882	426.885	426.714	426.577	30
31	426.880		426.817		426.898		427.628	427.306		426.883		426.568	31
MEAN	426.782	426.852	426.722	427.870	426.861	426.003	427.847	427.446	427.026	426.818	426.781	426.641	MEAN
MAX	426.908	426.878	426.817	428.787	426.858	426.673	426.184	427.586	427.287	426.988	426.858	426.710	MAX
MIN	426.880	426.838	426.838	426.827	426.788	426.196	427.826	427.283	426.831	426.883	426.714	426.588	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 427.173
MAXIMUM DAILY, 428.886 ON MAY 21
MINIMUM DAILY, 426.838 ON FEB 23
MAXIMUM INSTANTANEOUS,
428.843 AT 15:44 CST ON MAY 21

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 56 N
LONG 101 25 21 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1969

DRAINAGE AREA,
17 800 km²

LAKE ST. MARTIN NEAR NILDRE - STATION NO. 05LM005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	242.982	243.185	243.328	243.445	243.188	243.434	243.838	243.224	243.008	242.780	242.674	242.884	1
2	242.982	243.184	243.328	243.451	243.228	243.440	243.823	243.241	242.837	242.788	242.673	242.885	2
3	242.986	243.188	243.343	242.482	243.238	243.446	243.824	243.202	242.838	242.814	242.671	242.888	3
4	242.980	243.174	243.348	242.488	243.222	243.443	243.887	243.178	242.821	242.780	242.670	242.888	4
5	242.986	243.178	243.360	242.483	243.208	243.433	243.852	243.148	242.886	242.714	242.886	242.886	5
6	242.986	243.188	243.383	242.472	243.200	243.441	243.838	243.132	242.851	242.728	242.885	242.888	6
7	243.004	243.181	243.386	243.476	243.228	242.802	243.481	243.138	242.802	242.740	242.880	242.889	7
8	243.009	243.200	243.380	243.475	243.246	243.488	243.488	243.100	242.814	242.728	242.883	242.888	8
9	243.011	243.203	243.381	242.483	243.228	242.447	243.823	243.053	242.846	242.782	242.848	242.871	9
10	243.017	243.208	243.378	242.488	243.218	242.483	243.828	243.080	242.842	242.786	242.848	242.871	10
11	243.022	243.218	243.378	243.446	243.203	243.484	243.486	243.074	242.887	242.739	242.848	242.872	11
12	243.027	243.232	243.373	243.428	243.241	243.802	243.482	243.088	242.822	242.881	242.848	242.878	12
13	243.034	243.233	243.372	243.414	243.172	243.516	243.482	243.086	242.837	242.884	242.848	242.888	13
14	243.038	243.238	243.378	243.402	243.172	243.827	243.482	243.041	242.808	242.703	242.844	242.888	14
15	243.047	243.268	243.378	243.382	243.208	243.838	243.488	243.028	242.778	242.703	242.848	242.888	15
16	243.080	243.281	243.381	243.388	243.235	242.488	243.438	243.082	242.781	242.714	242.849	242.891	16
17	243.067	243.288	243.383	243.385	243.187	243.472	243.431	243.072	242.807	242.702	242.848	242.889	17
18	243.068	243.272	243.387	243.343	243.230	243.811	243.426	242.827	242.882	242.897	242.848	242.888	18
19	243.077	243.283	243.385	243.328	243.283	243.822	243.427	243.000	242.834	242.878	242.848	242.703	19
20	243.082	243.288	243.388	243.312	243.308	243.487	243.418	243.006	242.837	242.876	242.881	242.704	20
21	243.088	243.281	243.382	243.284	243.318	243.841	243.388	242.875	242.784	242.702	242.882	242.708	21
22	243.096	243.287	243.387	243.278	243.332	243.847	243.380	242.820	242.784	242.688	242.851	242.712	22
23	243.102	243.300	243.388	243.284	243.287	243.813	243.382	242.886	242.781	242.727	242.851	242.714	23
24	243.111	243.306	243.387	243.288	243.334	243.878	243.380	242.888	242.808	242.722	242.884	242.717	24
25	243.115	243.310	243.414	243.283	243.338	243.878	243.348	242.880	242.788	242.708	242.888	242.720	25
26	243.118	243.321	243.428	243.271	243.348	243.858	243.338	242.872	242.784	242.888	242.887	242.723	26
27	243.128	243.322	243.428	243.247	243.382	243.883	243.298	242.880	242.788	242.736	242.888	242.725	27
28	243.136	243.328	243.428	243.228	243.384	243.878	243.298	242.884	242.788	242.702	242.880	242.724	28
29	243.142	243.338	243.434	243.218	243.388	243.849	243.288	242.838	242.748	242.885	242.881	242.721	29
30	243.147		243.438	243.208	243.388	243.828	243.248	242.885	242.782	242.881	242.882	242.724	30
31	243.151		243.444		243.388		243.243	242.814		242.879		242.727	31
MEAN	243.089	243.247	243.384	243.388	243.278	243.804	243.428	243.047	242.831	242.714	242.868	242.886	MEAN
MAX	243.151	243.338	243.444	243.478	243.388	243.878	243.557	243.241	242.838	242.814	242.878	242.727	MAX
MIN	242.982	243.188	243.328	243.208	243.187	243.433	243.243	242.885	242.748	242.888	242.864	242.884	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 243.180
MAXIMUM DAILY, 243.878 ON JUN 24
MINIMUM DAILY, 242.888 ON OCT 22
MAXIMUM INSTANTANEOUS,
243.834 AT 10:55 CST ON JUN 24

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 33 N
LONG 98 31 36 W

REGULATED

DRAINAGE AREA,
62 600 km²

LAKE WANIPIGOW NEAR RIVERS - STATION NO. 05MF020

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	487.810	487.268	486.876	486.822	486.368	486.461	486.215	486.130	487.885	487.819	487.785	487.847	1
2	487.803	487.258	486.868	486.850	486.372	486.428	486.214	486.124	487.851	487.817	487.785	487.850	2
3	487.802	487.242	486.858	486.898	486.372	486.401	486.212	486.114	487.846	487.817	487.788	487.852	3
4	487.805	487.228	486.847	486.884	486.374	486.367	486.211	486.107	487.840	487.812	487.786	487.858	4
5	487.878	487.216	486.838	487.002	486.382	486.373	486.224	486.098	487.837	487.807	487.801	487.862	5
6	487.888	487.202	486.828	487.188	486.432	486.367	486.235	486.088	487.828	487.803	487.807	487.864	6
7	487.886	487.187	486.822	487.305	486.463	486.388	486.272	486.077	487.822	487.804	487.818	487.865	7
8	487.848	487.172	486.812	487.408	486.498	486.388	486.285	486.068	487.806	487.803	487.826	487.867	8
9	487.838	487.158	486.806	487.508	486.504	486.341	486.286	486.063	487.801	487.802	487.831	487.868	9
10	487.838	487.148	486.803	487.620	486.526	486.338	486.267	486.048	487.808	487.800	487.836	487.868	10
11	487.814	487.133	486.800	487.784	486.558	486.328	486.241	486.041	487.837	487.787	487.845	487.868	11
12	487.800	487.118	486.782	487.858	486.583	486.320	486.227	486.027	487.833	487.784	487.880	487.868	12
13	487.487	487.108	486.782	488.221	486.808	486.317	486.241	486.028	487.831	487.780	487.888	487.868	13
14	487.478	487.088	486.778	488.388	486.850	486.310	486.238	486.020	487.832	487.780	487.888	487.868	14
15	487.484	487.077	486.788	488.448	486.881	486.307	486.228	486.015	487.828	487.788	487.881	487.868	15
16	487.481	487.063	486.780	488.487	486.884	486.308	486.232	486.013	487.827	487.788	487.888	487.868	16
17	487.480	487.048	486.787	488.478	486.872	486.305	486.218	486.004	487.827	487.788	487.881	487.867	17
18	487.428	487.038	486.758	488.471	486.884	486.307	486.210	487.883	487.838	487.788	487.901	487.868	18
19	487.418	487.018	486.785	488.484	486.881	486.302	486.210	487.880	487.844	487.788	487.907	487.868	19
20	487.408	487.008	486.784	488.481	486.833	486.280	486.208	487.878	487.834	487.788	487.914	487.868	20
21	487.393	486.991	486.783	488.441	486.813	486.288	486.203	487.871	487.831	487.784	487.918	487.868	21
22	487.381	486.974	486.780	488.421	486.808	486.300	486.198	487.862	487.828	487.784	487.927	487.868	22
23	487.374	486.958	486.763	488.413	486.878	486.278	486.183	487.843	487.837	487.726	487.936	487.868	23
24	487.382	486.944	486.772	488.408	486.842	486.284	486.185	487.836	487.825	487.783	487.934	487.868	24
25	487.381	486.928	486.768	488.397	486.821	486.263	486.177	487.830	487.835	487.781	487.936	487.868	25
26	487.338	486.912	486.781	488.388	486.804	486.247	486.173	487.908	487.833	487.780	487.942	487.868	26
27	487.327	486.901	486.801	488.384	486.491	486.243	486.168	487.901	487.818	487.788	487.943	487.864	27
28	487.313	486.892	486.808	488.378	486.478	486.240	486.163	487.882	487.820	487.784	487.945	487.863	28
29	487.302	486.888	486.808	488.388	486.488	486.227	486.154	487.862	487.830	487.784	487.947	487.864	29
30	487.291		486.811	488.380	486.488	486.216	486.145	487.872	487.830	487.784	487.947	487.864	30
31	487.281		486.818		486.498		486.137	487.888		487.784		487.863	31
MEAN	487.452	487.074	486.787	487.858	486.528	486.314	486.210	486.002	487.828	487.784	487.875	487.864	MEAN
MAX	487.810	487.268	486.876	488.478	486.884	486.461	486.272	486.130	487.885	487.818	487.947	487.868	MAX
MIN	487.281	486.888	486.780	486.822	486.368	486.216	486.137	487.888	487.801	487.780	487.785	487.847	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 487.818
MAXIMUM DAILY, 488.884 ON MAY 16
MINIMUM DAILY, 486.780 ON MAR 23
MAXIMUM INSTANTANEOUS,
488.888 AT 05:33 CST ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 27 N
LONG 100 11 58 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1988, PUBLISHED AS "RIVERS RESERVOIR"

LAKE WINNIPEG AT BERENS RIVER - STATION NO. 05RD005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.030	217.031	217.024	217.007	217.084	217.158	217.130A	217.020A	217.080	217.021	216.841	216.815	1
2	217.027	217.030	217.018	217.026	217.122	217.165	217.140A	217.081	217.080	217.002	216.818	216.838	2
3	217.044	217.032	217.011	216.987	217.138	217.166	217.140A	---	217.078	216.940	216.845	216.827	3
4	217.033	217.036	217.008	217.003	217.118	217.173	217.140A	217.081	217.040	216.923	216.838	216.817	4
5	217.028	217.029	217.004	217.012	217.130	217.170	217.120A	217.080A	217.005	216.835	216.856	216.818	5
6	217.014	217.028	217.007	217.018	217.128	217.158	217.130A	---	217.000A	216.832	216.809	216.888	6
7	217.035	217.026	217.001	217.031	217.147	217.207	217.160A	217.118	---	216.821	216.743	216.821	7
8	217.034	217.041	216.994	217.052	217.138	217.204	217.150A	217.080A	---	216.885	216.810	216.833	8
9	217.029	217.033	217.001	217.045	217.172	217.178	---	---	---	217.008	216.836	216.828	9
10	217.034	217.035	217.008	217.041	217.184	217.187	217.140A	217.030A	217.002	216.861	216.887	216.823	10
11	217.040	217.019	216.988	217.037	217.187	217.188	217.130A	---	---	216.888	216.818	216.784	11
12	217.040	217.024	216.985	217.046	217.178	217.188	217.120A	216.860A	---	216.831	216.893	216.822	12
13	217.032	217.040	216.988	217.083	217.088	217.184	217.130A	---	---	216.812	216.888	216.824	13
14	217.033	217.051	216.983	217.088	217.104	217.185	217.130A	---	---	216.878	216.878	216.828	14
15	217.037	217.038	216.978	217.045	217.128	217.188	217.140A	217.010A	---	216.830	216.846	216.818	15
16	217.048	217.048	216.987	217.086	217.088	217.180	217.150A	217.008	216.852	216.837	216.838	216.830	16
17	217.048	217.038	216.980	217.088	217.088	217.158	217.140A	216.880A	---	216.884	216.835	216.823	17
16	217.038	217.043	216.985	217.080	217.128	217.192	217.140A	216.888	---	216.808	216.827	216.828	18
19	217.047	217.055	216.987	217.087	217.137	217.117	217.140A	216.830A	216.887A	216.881	216.830	216.828	19
20	217.038	217.038	216.982	217.087	217.132	217.183	217.130A	---	217.007	217.048	216.787	216.838	20
21	217.044	217.041	216.986	217.083	217.121	217.187	217.090	216.818	216.821	216.908	216.804	216.818	21
22	217.048	217.044	216.985	217.080	217.138	217.182	217.100A	217.000A	217.078	216.783	216.776	216.833	22
23	217.034	217.041	216.988	217.058	217.147	217.288	217.138	217.048	216.881	217.084	216.886	216.848	23
24	217.048	217.032	216.971	217.073	217.117	217.170A	---	216.880A	216.877	216.888	216.772	216.849	24
25	217.031	217.024	217.027	217.088	217.181	---	217.100A	---	216.870	217.042	216.883	216.838	25
26	217.034	217.026	217.014	217.078	217.148	217.130A	217.078	216.840A	216.898	216.908	216.818	216.824	26
27	217.031	217.019	217.003	217.068	217.182	217.118A	217.100A	---	216.813	216.881	216.878	216.838	27
28	217.027	217.026	217.013	217.077	217.148	217.120A	217.078	---	216.878	216.878	216.782	216.835	28
29	217.041	217.012	217.015	217.071	217.181	217.132A	---	216.880A	216.821	216.908	216.883	216.828	29
30	217.046		217.005	217.070	217.183	217.120A	---	217.048A	216.878	216.900	216.838	216.831	30
31	217.048		216.983		217.187		217.084	217.030		216.888		216.833	31
MEAN	217.037	217.035	216.992	217.048	217.134	---	---	---	---	216.934	216.838	216.828	MEAN
MAX	217.048	217.055	217.027	217.088	217.178	---	---	---	---	217.084	216.838	216.866	MAX
MIN	217.014	217.012	216.958	216.987	217.088	---	---	---	---	216.783	216.858	216.784	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.288 ON JUN 23
MINIMUM DAILY, 216.958 ON NOV 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 30 N
LONG 97 00 15 W

A - MANUAL GAUGE

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1988)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1979 ADJ.)

LAKE WINNIPEG AT GEORGE ISLAND - STATION NO. 05RE003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.043	217.038	217.018	217.011	217.053	217.182	217.174	---	217.032	216.884	216.821	216.838	1
2	217.038	217.034	217.013	217.006	217.065	217.182	217.183	---	217.013	216.888	217.058	216.843	2
3	217.047	217.033	217.013	217.007	217.078	217.187	217.186	---	217.006	216.928	216.822	216.838	3
4	217.038	217.038	217.011	217.010	217.062	217.188	217.155	---	216.988	216.928	216.895	216.840	4
5	217.038	217.038	217.014	217.015	217.065	217.195	217.149	---	216.988	217.000	216.878	216.842	5
6	217.038	217.038	217.008	217.014	217.080	217.202	217.182	---	217.004	216.978	216.868	216.856	6
7	217.047	217.035	217.008	217.006	217.101	217.178	217.182	---	217.147	216.940	216.863	216.843	7
8	217.040	217.031	217.001	217.018	217.073	217.191	217.182	---	217.087	216.964	216.814	216.827	8
9	217.043	217.038	217.011	217.022	217.102	217.190	217.181	---	216.978	216.974	216.880	216.817	9
10	217.038	217.031	216.998	217.027	217.093	217.188	217.112	---	216.980	216.887	216.889	216.817	10
11	217.043	217.035	216.988	217.024	217.107	217.190	217.156	---	216.953	216.890	216.838	216.831	11
12	217.043	217.028	216.988	217.036	217.088	217.173	217.188	---	216.948	217.035	216.813	216.832	12
13	217.038	217.036	216.988	217.030	217.108	217.188	217.178	---	217.013	217.082	216.881	216.827	13
14	217.041	217.028	216.988	217.030	217.133	217.185	217.168	---	216.970	216.985	216.847	216.817	14
15	217.040	217.037	216.990A	217.028	217.074	217.177	217.173	---	216.988	216.948	216.881	216.821	15
16	217.048	217.038	216.992	217.045	217.088	217.188	217.188	---	216.970	216.938	216.778	216.832	16
17	217.044	217.041	216.992	217.024	217.128	217.234	217.171	---	216.973	216.938	216.805	216.823	17
18	217.040	217.041	216.990	217.032	217.141	217.188	217.188	---	216.985	216.938	216.873	216.826	18
19	217.042	217.046	216.981	217.036	217.108	217.207	217.181	---	216.938	216.942	216.888	216.821	19
20	217.038	217.033	216.977	217.031	217.136	217.201	217.183	---	216.871	217.118	216.878	216.826	20
21	217.038	217.040	216.978	217.033	217.133	217.193	217.188	---	216.957	217.012	216.880	216.826	21
22	217.034	217.038	216.982	217.031	217.137	217.182	217.177	---	217.041	217.088	216.883	216.840	22
23	217.036	217.040	216.985	217.026	217.131	217.178	217.187	---	216.941	216.985	216.834	216.838	23
24	217.033	217.038	216.985	217.027	217.127	217.212	217.136	---	216.983	216.888	216.871	216.840	24
25	217.034	217.037	216.988	217.034	217.160	217.143	217.187	---	216.936	216.870	216.861	216.837	25
26	217.037	217.033	216.986	217.044	217.138	217.184	217.180	---	216.948	216.878	216.859	216.828	26
27	217.032	217.035	216.986	217.036	217.140	217.182	217.180	---	216.938	216.917	216.837	216.823	27
28	217.038	217.032	216.988	217.043	217.160	217.183	217.183	---	216.897	216.888	216.807	216.825	28
29	217.034	217.007	217.018	217.037	217.164	217.182	217.188A	217.064A	217.004	216.888	216.828	216.816	29
30	217.018		217.011	217.038	217.170	217.176	---	217.087	217.004	216.940	216.813	216.811	30
31	217.031		217.004		217.186		---	217.098		216.918		216.814	31
MEAN	217.038	217.030	216.997	217.027	217.114	217.186	---	---	216.978	216.954	216.876	216.828	MEAN
MAX	217.048	217.048	217.018	217.048	217.186	217.234	---	---	217.147	217.118	217.058	216.858	MAX
MIN	217.018	217.007	216.977	217.006	217.053	217.143	---	---	216.838	216.870	216.778	216.811	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.234 ON JUN 17
MINIMUM DAILY, 216.778 ON NOV 16
MAXIMUM INSTANTANEOUS,
217.377 AT 14:27 CST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 48 00 N
LONG 97 37 20 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1988)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1976 ADJ.)

LAKE WINNIPEG AT GIMLI - STATION NO. 05RB006

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.027	217.029	217.052	216.861	217.037	217.163	217.077	217.173	217.065	217.168	216.884	216.795	1
2	217.032	217.026	217.047	217.022	217.064	217.205	217.026	217.186	217.205	217.063	216.488	216.840	2
3	217.038	217.060	217.032	217.016	217.143	217.163	217.026	217.114	217.178	217.380	216.833	216.883	3
4	217.034A	217.038	217.025	216.993	217.254	217.181	217.221	217.148	217.228	217.058	216.877	216.800	4
5	217.037E	217.033	217.015	217.000	217.148	217.131	217.303	216.885	217.163	216.787	216.878	216.837	5
6	217.028A	217.035	217.060	217.036	217.118	217.077	217.114	217.086	216.884	216.861	216.884	216.887	6
7	217.018	217.061	217.031	217.062	217.101	217.182	217.126	217.085	216.880	217.014	216.805	216.880	7
8	217.081	217.034	217.037	217.060	217.293	217.162	217.083	217.211	216.883	216.903	216.792	216.830	8
9	216.996	217.060	217.003	217.061	217.118	217.085	217.288	216.896	217.323	216.873	217.023	216.843	9
10	217.061	217.036	217.071	217.028	217.216	217.088	217.476	217.082	217.212	217.488	216.888	216.828	10
11	217.028	217.022	217.067	217.040	217.128	217.124	217.180	217.210	217.168	217.188	216.803	216.788	11
12	217.066	217.030	217.061	217.034	217.187	217.238	217.061	217.194	217.130	216.772	216.886	216.808	12
13	217.083	217.047	217.020	217.066	217.181	217.308	217.068	217.186	217.038	216.882	216.870	216.880	13
14	217.028	217.120	217.018	217.064	216.898	217.317	217.178	217.121	217.008	216.884	217.072	216.872	14
15	217.066	217.036	217.024	217.043	217.342	217.248	217.184	216.886	216.822	216.886	216.868	216.828	15
16	217.063	217.072	216.986	217.005	217.227	217.112	217.201	217.183	216.864	217.101	217.441	216.838	16
17	217.066	217.041	217.017	217.100	216.873	216.881	217.183	217.228	216.878	217.038	217.305	216.833	17
18	217.059	217.063	217.000	217.038	216.863	217.137	217.188	217.076	217.227	216.837	216.864	216.823	18
19	217.083	217.075	217.025	217.081	217.248	217.183	217.187	217.036	217.437	216.888	216.822	216.886	19
20	217.080	217.085	217.002	217.083	217.167	217.170	217.238	217.078	217.328	216.883	216.848	216.865	20
21	217.017	217.038	216.984	217.045	217.185	217.188	217.142	216.887	216.908	217.186	216.788	216.817	21
22	217.084	217.060	216.986	217.045	217.134	217.358	217.000	216.893	216.788	216.817	216.883	216.861	22
23	217.034	217.030	216.983	217.038	217.241	217.113	216.877	217.031	217.145	216.888	216.864	216.871	23
24	217.087	217.048	217.000	217.060	217.184	217.032	217.247	217.308	217.008	217.231	216.718	216.844	24
25	217.043	217.018	217.084	217.128	216.870	217.434	217.050	217.468	217.173	217.407	216.906	216.868	25
26	217.034	217.060	217.071	217.038	217.138	217.158	217.181	217.186	216.885	217.218	216.880	216.836	26
27	217.048	217.011	217.038	217.037	217.166	217.101	217.104	217.383	217.088	217.113	217.032	216.888	27
28	217.027	217.047	217.056	217.017	217.128	217.162	217.087	217.372	216.807	217.341	216.864	216.834	28
29	217.088	217.087	217.018	217.035	217.126	217.084	217.238	217.082	216.844	217.077	216.883	216.840	29
30	217.100		217.002	217.023	217.136	217.052	217.211	216.837	216.868	216.784	216.878	216.881	30
31	217.061		217.010		217.036		217.007	216.828		216.818		216.858	31
MEAN	217.048	217.048	217.027	217.040	217.138	217.167	217.145	217.104	217.040	217.018	216.878	216.843	MEAN
MAX	217.100	217.120	217.084	217.128	217.342	217.434	217.476	217.468	217.437	217.488	217.441	216.883	MAX
MIN	216.996	217.011	216.983	216.861	216.863	216.881	216.877	216.893	216.880	216.882	216.488	216.795	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 217.061
MAXIMUM DAILY, 217.476 ON JUL 10
MINIMUM DAILY, 216.488 ON NOV 2
MAXIMUM INSTANTANEOUS,
217.500 AT 20:40 CST ON SEP 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 50 N
LONG 96 56 56 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1988)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

LAKE WINNIPEG AT MATHESON ISLAND LANDING - STATION NO. 05SD002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	217.043	216.973	217.045	217.177	217.118	217.135	217.085	217.088	---	---	1
2	---	---	217.028	217.004	217.076	217.176	217.121	217.148	217.120	217.047	---	---	2
3	---	---	217.022	216.994	217.084	217.174	217.128	217.158	217.138	217.135	---	---	3
4	---	---	217.018	216.982	217.104	217.168	217.178	217.123	217.111	217.014	---	---	4
5	---	---	217.020	216.994	217.088	217.142	217.142	217.048	217.081	216.911	---	---	5
6	---	---	217.027	217.000	217.080	217.142	217.124	217.122	216.987	216.913	---	---	6
7	---	---	217.015	217.008	217.110	217.151	217.187	217.154	216.843	216.872	---	---	7
8	---	---	217.012	217.034	217.128	217.130	217.154	217.140	217.007	216.841	---	---	8
9	---	---	217.008	217.013	217.131	217.127	217.232	217.012	217.313	216.938	---	---	9
10	---	---	217.030	217.018	217.111	217.102	217.284	217.091	217.108	217.158	---	---	10
11	---	---	217.022	217.008	217.103	217.148	217.188	217.164	216.980	217.052	---	---	11
12	---	---	217.009	217.021	217.172	217.206	217.111	217.074	217.018	216.888	---	---	12
13	---	---	216.998	217.028	217.081	217.203	217.107	217.081	217.097	216.778	---	---	13
14	---	---	216.998	217.033	217.082	217.208	217.183	217.082	216.878	216.868	---	---	14
15	---	---	216.998	217.031	217.226	217.201	217.138	217.082	216.911	216.908	---	---	15
16	---	---	216.981	217.021	217.108	217.117	217.187	217.111	216.821	216.888	---	---	16
17	---	---	216.987	217.027	217.018	217.121	217.180	217.041	216.884	217.025	---	---	17
18	---	---	216.980	217.025	217.077	217.155	217.172	217.048	217.074	216.940	---	---	18
19	---	---	216.987	217.033	217.161	217.180	217.161	217.018	217.031	216.888	---	---	19
20	---	---	216.978	217.028	217.153	217.200	217.188	217.041	217.082	216.942	---	---	20
21	---	---	216.988	217.032	217.131	217.183	217.181	216.943	216.943	217.142	---	---	21
22	---	---	216.977	217.027	217.126	217.217	217.115	216.948	216.912	216.944	---	---	22
23	---	---	216.970	217.018	217.184	217.131	217.130	217.184	217.115	216.913	---	---	23
24	---	---	216.977	217.082	217.083	217.036	217.177	217.198	216.972	217.145	---	---	24
25	---	---	217.036	217.083	217.087	217.286	217.117	217.285	217.088	217.297	---	---	25
26	---	---	217.005	217.031	217.124	217.188	217.150	217.122	216.918	217.222	---	---	26
27	---	---	216.982	217.028	217.182	217.112	217.117	217.318	216.883	216.873	---	---	27
28	---	---	217.008	217.031	217.116	217.081	217.123	217.185	216.888	217.122	---	---	28
29	---	---	217.000	217.026	217.141	217.088	217.180	217.023	216.916	217.118	---	---	29
30	---		216.988	217.021	217.145	217.109	217.158	216.888	216.927	216.936	---	---	30
31	---		216.986		217.106		217.088	216.980		216.887		---	31
MEAN	---	---	217.002	217.018	217.115	217.154	217.153	217.091	217.018	216.988	---	---	MEAN
MAX	---	---	217.043	217.083	217.226	217.256	217.284	217.318	217.313	217.222	---	---	MAX
MIN	---	---	216.986	216.973	217.018	217.036	217.088	216.843	216.843	216.778	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.318 ON AUG 27

MAXIMUM INSTANTANEOUS,
217.481 AT 13:02 CST ON SEP 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 00 N
LONG 96 54 00 W

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1955)
APPLY .062 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

LAKE WINNIPEG AT MISSION POINT - STATION NO. 05SG001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.034E	217.080	217.048	217.077	217.078	217.185A	217.227	217.195	217.088	216.805	216.885	216.889A	1
2	217.033E	217.088	217.035	217.026	217.080	217.203	217.233	217.163	217.084	216.858	217.198E	216.858A	2
3	217.032E	217.083	217.080	217.047	217.103	217.201	217.230	217.184	217.083	216.824	216.888E	216.814	3
4	217.031A	217.080	217.082	217.080	217.088	217.225	217.183	217.198	217.082	216.858	216.888E	216.884A	4
5	217.041	217.081	217.087	217.041	217.128	217.248	217.226	217.248	217.078	217.008	216.907	216.853A	5
6	217.075	217.070	217.051	217.045	217.133A	217.258	217.244	217.218	217.181	216.874	216.888	216.788A	6
7	217.048E	217.081	217.088	217.084	---	217.264	217.184	217.101	217.185	216.838	217.080E	216.827A	7
8	217.037	217.070	217.087	217.028	---	217.244	217.188	217.120	216.883	216.885	216.838	216.838A	8
9	217.058E	217.048	217.080	217.042	---	217.254	217.048	217.218	216.788	216.821	216.780	216.842	9
10	217.051	217.070	217.033	217.080	---	217.226	217.133	217.138	216.928	216.788	216.851	216.835	10
11	217.047E	217.087	217.014	217.070	---	217.224	217.204	217.134	216.887	216.803	217.025	216.887A	11
12	217.082	217.084	217.032	217.085	---	217.177	217.257	217.151	216.972	217.051	216.933	216.853	12
13	217.048	217.082	217.032	217.083	---	217.187	217.231	217.138	216.885	217.023	216.787	216.824A	13
14	217.080	217.083	217.033	217.085	---	217.188	217.203	217.181	216.885	216.884	216.826	216.831	14
15	217.078	217.115	217.036	217.079	---	217.174	217.216	217.171	217.058	216.888	216.878	216.855	15
16	217.080	217.083	217.044	217.071	---	217.231	217.183	217.177	217.041	216.803	216.888	216.851	16
17	217.084	217.107	217.034	217.042	---	217.265	217.183	217.170	216.988	216.878	216.787	216.856	17
18	217.061	217.080	217.018	217.058	---	217.231	217.188	217.180	216.885	216.885	216.888	216.857	18
19	217.045	217.072	217.006	217.048	---	217.130	217.202	217.182	216.949	216.830	216.910	216.847	19
20	217.047	217.081	217.036	217.045	---	217.224	217.194	217.187	216.913	216.888E	216.984	216.842	20
21	217.062E	217.087	217.041	217.047	---	217.201	217.224	217.383	217.034	216.852	216.918	216.870	21
22	217.023	217.087	217.029	217.084	---	217.168	217.272	217.266	216.841	217.104E	216.944	216.845	22
23	217.062E	217.073	217.043	217.085	---	217.339	217.181	217.062	216.878	216.822E	217.141	216.822	23
24	217.010E	217.088	217.030	217.030	---	217.213	217.173	217.006	216.853	216.720	216.912	216.831	24
25	217.038	217.080	216.971	217.041	---	217.129	217.216	216.944	216.852	216.835	216.818	216.833	25
26	217.068	217.088	217.018	217.083	---	217.220	217.188	217.077	217.033	216.847	216.850	216.848	26
27	217.081	217.078	217.048	217.082	---	217.282	217.240	216.812	216.870	216.784	216.781A	216.828	27
28	217.077	217.085	217.085	217.084	---	217.250	217.235	217.028	217.060	216.700	216.811A	216.828	28
29	217.038	217.087	217.038	217.084	---	217.285	217.188	217.152	216.882	216.682	216.825A	216.841	29
30	217.027		217.042	217.084	---	217.288	217.226	217.282	216.887	216.876	216.848A	216.826	30
31	217.028		217.082		---		217.181	217.201		216.863		216.829	31
MEAN	217.068	217.076	217.038	217.080	---	217.222	217.206	217.183	216.882	216.878	216.903	216.841	MEAN
MAX	217.080	217.115	217.087	217.084	---	217.339	217.272	217.383	217.188	217.104	217.141	216.889	MAX
MIN	217.010	217.048	216.971	217.028	---	217.129	217.088	216.812	216.788	216.635	216.888	216.788	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.383 ON AUG 21
MINIMUM DAILY, 216.635 ON OCT 25
MAXIMUM INSTANTANEOUS,
217.684 AT 23:43 CST ON AUG 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 11 00 N
LONG 99 13 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1955)

LAKE WINNIPEG AT MONTREAL POINT - STATION NO. 05RP001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	217.042	217.047	217.078	217.102	---	---	---	---	---	---	---	1
2	---	217.040	217.055	217.086	217.101	---	---	---	---	---	---	---	2
3	---	217.037	217.048	217.083	217.104	---	---	---	---	---	---	---	3
4	217.061A	217.045	217.045	217.086	217.084	---	---	---	---	---	---	---	4
5	217.067	217.055	217.041	217.078	217.108	---	---	---	---	---	---	---	5
6	217.075	217.057	217.040	217.085	217.118	---	---	---	---	---	---	---	6
7	217.072	217.055	217.038	217.080	217.125	---	---	---	---	---	---	---	7
8	217.074	217.043	217.038	217.058	217.117	---	---	---	---	---	---	---	8
9	217.066	217.041	217.041	217.085	217.138	---	---	---	---	---	---	---	9
10	217.077	217.048	217.025	217.075	217.127	---	---	217.064A	---	---	---	---	10
11	217.081	217.051	217.030	217.078	217.142	---	---	---	---	---	---	---	11
12	217.081	217.048	217.042	217.078	217.088	---	---	---	---	---	---	---	12
13	217.084	217.043	217.048	217.074	217.140	---	---	---	216.941A	---	---	---	13
14	217.079	217.045	217.043	217.078	217.143	---	---	---	---	---	---	---	14
15	217.087	217.051	217.042	215.041	217.089	---	---	---	---	---	---	---	15
16	217.089	217.047	217.047	217.100	217.141A	---	---	---	---	---	---	---	16
17	217.088	217.056	217.044	217.083	217.252A	---	---	---	---	---	---	---	17
18	217.086	217.053	217.047	217.089	217.178	---	---	---	---	---	---	---	18
19	217.070	217.050	217.038	217.083	217.088	---	---	---	---	---	---	---	19
20	217.084	217.052	217.038	217.080	217.123	---	---	---	---	---	---	---	20
21	217.075	217.048	217.048	217.085	217.126	---	---	---	---	---	---	---	21
22	217.083	217.055	217.048	217.071	217.122	---	---	---	---	---	---	---	22
23	217.082	217.052	217.040	217.070	217.083	---	---	---	---	---	---	---	23
24	217.058	217.053	217.044	217.080	217.147	---	---	---	---	---	---	---	24
25	217.080	217.048	217.028	217.070	217.161	---	---	---	---	---	---	---	25
26	217.070	217.048	217.045	217.087	217.138	---	---	---	216.898A	---	---	---	26
27	217.083	217.047	217.038	217.085	217.128	---	---	---	---	---	---	---	27
28	217.067	217.038	217.034	217.082	217.138	---	---	---	---	---	---	---	28
29	217.048	217.041	217.058	217.083	217.136	---	---	---	---	---	---	---	29
30	217.038		217.083	217.103	217.126	---	---	---	---	---	---	---	30
31	217.035		217.083		217.108		---			---		---	31
MEAN	---	217.048	217.043	217.078	217.128	---	---	---	---	---	---	---	MEAN
MAX	---	217.078	217.083	217.102	217.252	---	---	---	---	---	---	---	MAX
MIN	---	217.035	217.025	217.058	217.088	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 27 30 N
LONG 97 50 40 W

A - MANUAL GAUGE

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1966)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1966 ADJ.)

LAKE WINNIPEG AT PINE DOCK - STATION NO. 05SD001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	217.044	---	216.984	217.026	217.162	---	---	---	---	---	---	1
2	---	217.036	---	217.001	217.077	217.152	---	---	---	---	---	---	2
3	---	217.056	---	216.988	217.002	217.151	---	---	---	---	---	---	3
4	---	217.045	---	216.977	217.118	217.130	---	---	---	---	---	---	4
5	---	217.048	---	216.993	217.097	217.117	---	---	---	---	---	---	5
6	---	217.043	---	217.002	217.060	217.100	---	---	---	---	---	---	6
7	---	217.[illegible]	---	217.012	217.085	217.141	---	---	---	---	---	---	7
8	---	217.047	---	217.025	217.148	217.105	---	---	---	---	---	---	8
9	---	217.058	---	217.021	217.117	217.088	---	---	---	---	---	---	9
10	---	217.048	---	217.016	217.116	217.126	---	---	---	---	---	---	10
11	---	217.028	---	217.007	217.088	217.120	---	---	---	---	---	---	11
12	---	217.037	---	217.010	217.130	217.108	---	---	---	---	---	---	12
13	---	217.037A	---	217.021	217.092	217.102	---	---	---	---	---	---	13
14	---	---	---	217.036	217.041	217.104	---	---	---	---	---	---	14
15	---	---	---	217.021	217.217	217.108	---	---	---	---	---	---	15
16	---	---	216.988A	217.012	217.101	217.102	---	---	---	---	---	---	16
17	---	---	216.987	217.982	216.993	217.048	---	---	---	---	---	---	17
18	---	---	216.988	217.036	217.021	217.126	---	---	---	---	---	---	18
19	---	---	216.998	217.032	217.147	217.107	---	---	---	---	---	---	19
20	---	---	216.978	217.029	217.107	217.103	---	---	---	---	---	---	20
21	217.018A	---	216.982	217.924	217.106	217.155	---	---	---	---	---	---	21
22	217.062	---	216.975	217.030	217.106	217.218	217.158A	---	---	---	---	---	22
23	217.063	---	216.986	217.018	217.173	---	---	---	---	---	---	---	23
24	217.078	---	216.973	217.040	217.097	---	---	---	---	---	---	---	24
25	217.042	---	217.048	217.088	217.084	---	---	---	---	---	---	---	25
26	217.043	---	217.020	217.027	217.100	---	---	---	---	---	---	---	26
27	217.047	---	216.986	217.018	217.128	---	---	---	---	---	---	---	27
28	217.038	---	217.013	217.008	217.088	---	---	---	---	---	---	---	28
29	217.074	---	217.008	217.014	217.110	---	---	---	---	---	---	---	29
30	217.077		216.986	217.008	217.118	---	---	---	---	---	---	---	30
31	217.088		216.988		217.074		---	217.003A		---		---	31
MEAN	---	---	---	217.018	217.088	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	217.088	217.217	---	---	---	---	---	---	---	MAX
MIN	---	---	---	216.984	216.993	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 30 N
LONG 98 47 45 W

A - MANUAL GAUGE

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1966)
APPLY .024 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1964 ADJ.)

LAKE WINNIPEG AT VICTORIA BEACH - STATION NO. 05AA003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.084	217.080	217.088	217.021	217.077	217.181	217.128	217.307	217.103	217.252	216.938	216.841	1
2	217.073	217.070	217.107	217.088	217.112	217.246	217.078	217.321	217.241	217.180	216.901	216.852	2
3	217.077	217.103	217.071	217.071	217.174	217.227	217.079	217.183	217.208	217.388	216.844	216.837	3
4	217.088	217.078	217.080	217.043	217.203	217.185	217.251	217.188	217.245	217.114	216.896	216.848	4
5	217.072	217.084	217.081	217.048	217.188	217.188	217.231	217.032	217.187	216.837	217.018	216.870	5
6	217.080	217.081	217.102	217.084	217.142	217.128	217.152	217.128	216.844	216.881	216.842	216.911	6
7	217.068	217.082	217.078	217.088	217.128	217.202	217.202	217.127	216.870	217.082	216.876	216.933	7
8	217.101	217.081	217.082	217.118	217.320	217.185	217.158	217.263	216.886	216.860	216.848	216.884	8
9	217.061	217.118	217.048	217.110	217.173	217.139	217.351	216.884	217.031	217.018	217.052	216.860	9
10	217.088	217.078	217.107	217.070	217.284	217.112	217.526	217.083	217.270	217.503	217.058	216.877	10
11	217.078	217.077	217.138	217.080	217.178	217.182	217.248	217.262	217.158	217.207	216.707	216.864	11
12	217.101	217.083	217.107	217.082	217.284	217.285	217.108	217.171	217.205	216.834	216.898	216.868	12
13	217.101	217.081	217.081	217.104	217.248	217.233	217.148	217.188	217.105	216.845	217.027	216.900	13
14	217.082	217.185	217.088	217.102	217.082	217.381	217.228	217.182	217.079	216.810	217.146	216.917	14
15	216.889	217.084	217.079	217.084	217.280	217.290	217.211	217.038	216.877	216.843	216.878	216.883	15
16	217.082	217.111	217.041	217.044	217.278	217.178	217.285	217.204	216.881	217.188	217.489	216.878	16
17	217.093	217.088	217.089	217.144	217.027	216.807	217.290	217.231	217.036	217.087	217.402	216.884	17
18	217.103	217.105	217.083	217.088	216.885	217.178	217.243	217.107	217.238	216.867	216.837A	216.884	18
19	217.088	217.118	217.088	217.081	217.280	217.230	217.248	217.078	217.443	217.081	216.837A	216.908	19
20	217.079	217.121	217.085	217.103	217.208	217.225	217.278	217.084	217.374	216.747	---	216.904	20
21	217.047A	217.080	217.029	217.089	217.203	217.200	217.184	216.887	216.882	217.218	---	216.883	21
22	217.140	217.124	217.038	217.084	217.181	217.381	217.084	216.783	216.842	216.726	---	216.883	22
23	217.084	217.081	217.032	217.076	217.274	217.123	217.032	217.184	217.218	217.087	---	216.920	23
24	217.128	217.080	217.034	217.120	217.188	217.085	217.300	217.383	217.081	217.330	216.742A	216.881	24
25	217.108	217.087	217.130	217.178	217.018	217.481	217.097	217.537	217.234	217.618	216.880	216.902	25
26	217.074	217.088	217.134	217.082	217.182	217.211	217.188	217.284	216.887	217.300	216.888	216.881	26
27	217.103	217.088	217.088	217.084	217.185	217.086	217.181	217.427	217.083	217.182	217.088	216.921	27
28	217.071	217.078	217.088	217.047	217.171	217.183	217.122	217.423	216.882	217.448	216.902	216.888	28
29	217.117	217.113	217.084	217.073	217.183	217.091	217.273	217.139	216.902	217.187	216.890	216.877	29
30	217.152		217.062	217.088	217.171	217.100	217.201	216.872	216.871	216.814	216.824	216.928	30
31	217.113		217.061		217.080		217.049	216.848		216.881		216.888	31
MEAN	217.088	217.083	217.078	217.084	217.181	217.184	217.187	217.148	217.081	217.078	---	216.887	MEAN
MAX	217.182	217.185	217.138	217.178	217.380	217.481	217.528	217.537	217.443	217.618	---	216.937	MAX
MIN	216.889	217.083	217.029	217.021	216.885	216.807	217.032	216.783	216.870	216.845	---	216.841	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.537 ON AUG 25
MINIMUM DAILY, 216.801 ON NOV 2
MAXIMUM INSTANTANEOUS,
217.551 AT 20:48 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 30 N
LONG 96 34 10 W

A - MANUAL GAUGE

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1988)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1982 ADJ.)

LAKE WINNIPEGOSIS AT DAWSON BAY - STATION NO. 05LD002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	252.822	252.813	252.811	252.868	253.108	253.366	253.265	253.185	253.056	252.881	252.884	252.827	1
2	252.821	252.818	252.826	252.872	253.124	253.421	253.328	253.202	253.038	252.844	253.018	252.818	2
3	252.805	252.810	252.832	252.875	253.102	253.428	253.332	253.188	253.082	252.874	252.875	252.818	3
4	252.802	252.806	252.827	252.882	253.105	253.406	253.314	253.200	253.082	253.028	252.867	252.824	4
5	252.808	252.804	252.828	252.884	253.231	253.470	253.304	253.248	253.134	253.058	252.847	252.824	5
6	252.810	252.813	252.826	252.887	253.226	253.471	253.361	253.221	253.174	253.011	253.086	252.908	6
7	252.806	252.810	252.831	253.013	253.233	253.843	253.108	253.087	253.123	252.888	253.042	252.810	7
8	252.805	252.806	252.833	253.007	253.284	253.818	253.261	253.177	252.735	253.036	252.836	252.810	8
9	252.815	252.804	252.828	253.033	253.272	253.807	253.139	253.225	252.711	252.888	252.788	252.804	9
10	252.806	252.810	252.818	253.037	253.265	253.407	253.241	253.130	253.030	252.836	252.806	252.814	10
11	252.806	252.824	252.818	253.046	253.286	253.422	253.306	253.148	253.032	253.032	253.007	252.828	11
12	252.807	252.812	252.830	253.038	253.278	253.301	253.370	253.172	253.066	253.117	252.818	252.813	12
13	252.810	252.813	252.828	253.038	253.337	253.337	253.309	253.178	252.847	253.024	252.858	252.808	13
14	252.813	252.818	252.828	253.036	253.383	253.388	253.321	253.183	253.082	253.006	252.891	252.807	14
15	252.818	252.837	252.832	253.068	253.367	253.375	253.268	253.130	253.114	253.034	253.017	252.818	15
16	253.808	253.827	253.828	253.043	253.380	253.482	253.260	253.148	253.100	253.883	253.918	253.800	16
17	252.810	252.838	252.822	253.040	253.407	253.433	253.218	253.178	253.028	252.868	252.828	252.818	17
18	252.815	252.830	252.823	253.048	253.382	253.428	253.227	253.178	252.867	252.814	252.828	252.808	18
19	253.808	253.831	253.819	253.048	253.388	253.249	253.238	253.218	252.852	252.883	252.818	252.811	19
20	252.819	252.834	252.833	253.051	253.388	253.393	253.284	253.213	253.003	252.812	252.836	252.812	20
21	252.813	252.832	252.843	253.051	253.388	253.313	253.284	253.318	253.102	252.808	252.821	252.821	21
22	252.800	252.815	252.837	253.057	253.388	253.370	253.320	253.247	252.868	253.112	253.037	252.808	22
23	252.816	252.818	252.840	253.088	253.388	253.546	253.209	252.888	252.867	252.848	252.828	252.806	23
24	252.800	252.818	252.837	253.040	253.478	253.328	253.268	253.018	253.000	252.748	252.831	252.807	24
25	252.814	252.830	252.814	253.077	253.378	253.300	253.244	252.888	252.867	252.858	252.836	252.806	25
26	252.808	252.828	252.865	253.083	253.403	253.407	253.240	253.083	252.878	252.808	252.811	252.817	26
27	252.818	252.834	252.861	253.087	253.388	253.800	253.302	252.884	252.836	252.738	252.811	252.801	27
28	252.818	252.822	252.867	253.104	253.427	253.446	253.228	253.047	253.122	252.707	252.824	252.808	28
29	252.804	252.827	252.861	253.108	253.408	253.483	253.187	253.163	253.058	252.807	252.814	252.808	29
30	252.802		252.868	253.108	253.478	253.448	253.268	253.273	252.862	252.868	252.821	252.808	30
31	252.800		252.864		253.488		253.140	253.132		252.817		252.804	31
MEAN	252.810	252.820	252.834	253.062	253.324	253.416	253.268	253.153	253.022	252.821	252.835	252.810	MEAN
MAX	252.822	252.838	252.864	253.108	253.478	253.546	253.370	253.318	253.174	253.117	253.088	252.827	MAX
MIN	253.800	252.804	252.811	252.872	253.108	253.248	253.138	253.884	252.711	252.858	252.788	252.808	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 253.083
MAXIMUM DAILY, 253.848 ON JUN 23
MINIMUM DAILY, 252.858 ON OCT 25
MAXIMUM INSTANTANEOUS,
253.833 AT 16:14 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 56 30 N
LONG 100 56 30 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1982 ADJ.)

LAKE WINNIPEGOSIS AT WINNIPEGOSIS - STATION NO. 05LN001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	283.108	283.118	283.163	283.176	283.385	283.830	283.466	283.486	283.334	283.384	283.068	283.094	1
2	283.111	283.122	283.137	283.186	283.468	283.882	283.465	283.606	283.457	283.336	282.993	283.103	2
3	283.120	283.120	283.142	283.186	283.533	283.887	283.488	283.416	283.423	283.448	283.138	283.102	3
4	283.121	283.120	283.138	283.251	283.621	284.011	283.570	283.378	283.403	283.150	283.174	283.095	4
5	283.113	283.118	283.140	283.336	283.461	284.008	283.528	283.318	283.300	283.088	283.128	283.102	5
6	283.104	283.118	283.142	283.310	283.462	284.001	283.508	283.400	283.303	283.188	282.888	283.104	6
7	283.112	283.118	283.146	283.246	283.531	283.888	283.448	283.448	283.093	283.218	282.881	283.102	7
8	283.114	283.127	283.137	283.263	283.616	283.884	283.482	283.338	283.318	283.181	283.128	283.084	8
9	283.102	283.121	283.146	283.237	283.532	283.481	283.881	283.238	283.273	283.287	283.248	283.106	9
10	283.113	283.118	283.173	283.241	283.617	283.850	283.814	283.288	283.351	283.428	283.118	283.087	10
11	283.114	283.102	283.181	283.238	283.613	283.846	283.487	283.422	283.428	283.178	283.004	283.081	11
12	283.117	283.118	283.148	283.238	283.722	283.863	283.378	283.378	283.248	283.008	283.116	283.084	12
13	283.118	283.133	283.148	283.281	284.118	283.881	283.508	283.348	283.348	283.123	283.186	283.110	13
14	283.118	283.134	283.144	283.263	284.071	283.881	283.448	283.321	283.218	283.148	283.126	283.107	14
15	283.118	283.121	283.148	283.241	283.827	283.832	283.487	283.378	283.141	283.187	283.133	283.083	15
16	283.118	283.133	283.161	283.286	284.074	283.486	283.508	283.488	283.303	283.281	283.128	283.088	16
17	283.116	283.124	283.144	283.281	284.130	283.506	283.524	283.424	283.348	283.186	283.114	283.082	17
18	283.117	283.130	283.146	283.256	284.038	283.526	283.507	283.348	283.454	283.221	283.110	283.100	18
19	283.118	283.140	283.161	283.287	284.018	283.888	283.886	283.326	283.554	283.133	283.117	283.112	19
20	283.113	283.126	283.144	283.284	284.003	283.886	283.820	283.347	283.342	283.178	283.106	283.106	20
21	283.117	283.128	283.143	283.286	284.030	283.868	283.487	283.228	283.108	283.281	283.118	283.088	21
22	283.128	283.138	283.143	283.287	284.014	283.821	283.418	283.140	283.202	282.887	283.102	283.118	22
23	283.118	283.130	283.143	283.286	283.953	283.426	283.488	283.610	283.262	283.488	283.083	283.112	23
24	283.137	283.132	283.161	283.348	284.108	283.841	283.483	283.488	283.284	283.424	283.107	283.112	24
25	283.114	283.128	283.201	283.288	284.007	283.819	283.508	283.561	283.278	283.472	283.107	283.106	25
26	283.121	283.138	283.177	283.263	284.018	283.807	283.480	283.488	283.244	283.188	283.118	283.088	26
27	283.118	283.130	283.184	283.261	283.971	283.482	283.384	283.676	283.248	283.471	283.107	283.107	27
28	283.118	283.137	283.204	283.280	283.888	283.533	283.508	283.471	283.084	283.383	283.102	283.101	28
29	283.126	283.128	283.180	283.288	283.864	283.416	283.510	283.301	283.137	283.116	283.107	283.111	29
30	283.133		283.188	283.306	283.888	283.378	283.388	283.188	283.218	283.081	283.108	283.110	30
31	283.121		283.180		284.022		283.478	283.313		283.131		283.112	31
MEAN	283.117	283.128	283.158	283.282	283.823	283.681	283.488	283.388	283.283	283.232	283.104	283.102	MEAN
MAX	283.137	283.140	283.204	283.348	284.130	284.011	283.881	283.676	283.573	283.472	283.248	283.118	MAX
MIN	283.102	283.102	283.137	283.178	283.385	283.378	283.378	283.140	283.084	282.887	282.981	283.081	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MEAN, 283.313
MAXIMUM DAILY, 284.130 ON MAY 17
MINIMUM DAILY, 282.887 ON OCT 23
MAXIMUM INSTANTANEOUS,
284.243 AT 18:30 CST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 45 N
LONG 99 55 07 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

LIMESTONE RIVER NEAR BIRD - STATION NO. 05UB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.310	1.87 B	0.8788	0.8188	5.258	83.8	23.3	18.1	18.8	19.7 E	12.8 B	8.388	1
2	3.288	1.84 B	0.8788	0.8188	33.8 B	80.8	21.8	18.4	18.8 E	18.3 B	8.288	8.288	2
3	3.238	1.48 B	0.8788	0.8388	88.8 B	77.8	20.8	21.4	17.7	18.2 E	13.8 B	8.218	3
4	3.158	1.48 B	0.8788	0.8388	108 B	78.3	20.8	22.3	18.8	17.8 E	14.8 B	8.178	4
5	3.088	1.43 B	0.8788	0.8588	188 B	73.2	21.8	23.2	18.3A	17.2 E	14.2 B	8.138	5
6	3.088	1.40 B	0.8888	0.8588	184 B	88.4	23.8	20.2	18.8E	18.8 E	13.8 B	8.088	6
7	3.088	1.38 B	0.8888	0.8788	218 B	83.8	23.2	18.8	18.8E	18.1 E	13.8 B	8.878	7
8	3.888	1.31 B	0.8888	0.8788	243 B	88.8	24.4	17.8	18.8E	18.3 E	13.2 B	8.888	8
9	2.748	1.28 B	0.8888	1.88 B	217 B	83.1	28.8	17.4	18.8E	14.8 E	12.8 B	8.888	9
10	2.648	1.27 B	0.8888	1.88 B	214	48.8	83.2	18.3	19.38	14.8 E	12.8 B	8.448	10
11	2.588	1.25 B	0.8888	1.82 B	234	48.4	73.2	18.7	18.8E	12.8 E	12.2 B	8.338	11
12	2.528	1.23 B	0.8888	1.82 B	188	48.7	78.8	21.1	18.8E	12.3 E	11.8 B	8.288	12
13	2.488	1.21 B	0.8888	1.84 B	184	37.8	77.3	23.8	18.4E	11.8 E	11.2 B	8.148	13
14	2.388	1.18 B	0.8888	1.84 B	188	38.3	78.4	23.8	18.3E	11.2 E	18.8 B	8.888	14
15	2.338	1.18 B	0.8888	1.88 B	138	33.7	88.8	23.1	18.7E	18.8 E	18.2 B	4.858	15
16	2.288	1.14 B	0.8888	1.18 B	118	31.8	82.2	22.8	18.8E	18.8 E	8.888	4.878	16
17	2.258	1.12 B	0.8888	1.12 B	113	38.8	48.3	28.2	18.4E	18.7 E	8.888	4.788	17
18	2.288	1.18 B	0.8888	1.14 B	118	38.4	38.2	18.8	18.3E	18.5 A	8.428	4.888	18
19	2.178	1.88 B	0.8888	1.18 B	138	31.8	33.4	18.8	18.8E	18.8	8.188	4.878	19
20	2.148	1.88 B	0.8888	1.18 B	138	44.8	38.8	18.8	18.7E	11.2	8.888	4.418	20
21	2.888	1.82 B	0.8788	1.21 B	144	84.4	27.8	13.2	13.2E	8.88	8.848	4.288	21
22	2.888	1.88 B	0.8788	1.28 B	188	88.8	28.1	13.8	13.8E	11.7	8.388	4.288	22
23	2.818	0.8788	0.8788	1.38 B	188	81.8	84.7	13.1	13.8T	11.1	8.128	4.138	23
24	1.888	0.8588	0.8788	1.31 B	138	48.4	33.7	18.7	14.8E	11.8	7.888	4.838	24
25	1.888	0.8388	0.8788	1.43 B	138	48.8	83.2	18.1	18.3E	18.3	7.838	3.888	25
26	1.888	0.8188	0.8788	1.87 B	118	38.8	38.3	18.8	18.3E	18.3 B	7.388	3.858	26
27	1.888	0.8878	0.8878	1.83 A	188	34.1	18.7	18.8	18.8E	18.8 B	7.188	3.788	27
28	1.788	0.8878	0.8878	2.33 B	88.3	38.8	18.3	18.8	18.4E	18.8 B	6.918	3.888	28
29	1.788	0.8878	0.8878	2.88 B	88.4	38.8	18.4	17.8	18.7E	11.8 B	8.878	3.838	29
30	1.848		0.8878	3.78 B	87.4	36.8	17.8	18.4	28.1E	11.8 B	8.848	3.838	30
31	1.888		0.8188		87.4		17.4	18.1		13.2 B		3.458	31
TOTAL	73.88	34.148	27.884	39.838	4 481.78	1 488.3	1 881.8	571.3	488.1	401.88	313.88	181.88	TOTAL
MEAN	2.38	1.18	0.873	1.32	144	48.8	38.3	18.4	18.3	13.8	10.4	4.88	MEAN
MAX	3.31	1.87	0.818	3.78	317	83.8	78.8	23.8	28.1	18.7	14.3	8.38	MAX
MIN	1.88	0.887	0.888	0.818	5.28	28.8	17.4	13.8	12.8	8.88	8.84	3.45	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1988

MEAN, 24.7
MAXIMUM DAILY, 317B ON MAY 8
MINIMUM DAILY, 0.8888 ON MAR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 31 10 N
LONG 94 12 30 W
DRAINAGE AREA, 3 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 380	JUL	81 700
FEB	3 850	AUG	48 400
MAR	3 340	SEP	38 300
APR	3 420	OCT	34 700
MAY	388 000	NOV	27 000
JUN	126 000	DEC	13 100

TOTAL DISCHARGE, 781 000 dam³

LITTLE BEAVER RIVER NEAR THE MOUTH - STATION NO. 05FB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.710	1.368	1.008	1.018	1.128	142	36.2	12.0	40.8	15.1	10.0 B	7.668	1
2	4.638	1.338	1.008	1.018	1.238	141	33.6	12.3	39.3	15.3	9.868	7.788	2
3	4.488	1.278	1.008	1.018	1.778	140	31.2	12.5	37.2	14.8	9.838	7.668	3
4	4.368	1.238	1.008	1.018	2.678	140	30.1	12.5	35.0	14.6	9.898	7.538	4
5	4.138	1.238	1.008	1.018	4.288	144	28.8	12.5	33.6	14.5	9.638	7.468	5
6	3.868	1.308	1.008	1.018	10.8 B	140	28.1	12.3	30.8	14.3	9.808	7.348	6
7	3.828	1.188	1.008	1.018	22.8 B	140	26.8	18.1	28.4	14.0	9.758	7.288	7
8	3.868	1.178	1.008	1.018	33.4 B	137	28.4	31.7	27.8	13.8	9.718	7.188	8
9	3.818	1.188	1.008	1.018	38.0 B	132	30.6	41.8	28.4	13.8	9.588	8.868	9
10	3.848	1.188	1.008	1.018	47.8 B	134	30.3	54.9	28.0	13.4	9.838	6.878	10
11	3.408	1.148	1.008	1.028	58.8 B	114	29.2	72.7	23.8	13.4	9.888	6.888	11
12	3.278	1.138	1.008	1.028	73.1 B	105	28.1	81.4	22.8	12.8	9.588	6.868	12
13	3.138	1.138	1.008	1.028	84.0 B	97.6	26.6	81.8	22.2	12.6	9.488	6.488	13
14	2.888	1.118	1.008	1.028	88.0 B	81.8	24.8	78.3	22.0	12.2	8.388	6.308	14
15	2.828	1.108	1.008	1.028	91.3 B	88.0	22.9	73.7	21.8	12.2	8.228	6.118	15
16	2.888	1.088	1.008	1.028	92.8 B	80.7	21.8	68.7	21.6	12.0	8.228	6.018	16
17	2.718	1.088	1.008	1.028	98.3 B	78.4	20.8	66.0	20.7	11.8	8.158	5.828	17
18	2.878	1.078	1.008	1.028	113 B	70.6	19.2	61.7	20.0	11.3	8.088	5.738	18
19	2.448	1.088	1.008	1.028	132 B	66.6	18.2	56.8	19.1	11.0	8.048	5.588	19
20	2.308	1.088	1.008	1.028	150 B	66.6	17.8	51.2	18.4	8.84	8.888	5.488	20
21	2.218	1.068	1.018	1.028	180	64.8	18.3	46.3	17.8	7.66	8.838	5.308	21
22	2.108	1.048	1.018	1.028	193	61.8	16.7	43.8	17.3	8.718	8.818	5.128	22
23	2.038	1.038	1.018	1.028	192	56.8	15.3	47.4	16.8	8.668	8.888	4.888	23
24	1.908	1.028	1.018	1.028	188	56.4	14.8	50.8	16.8	8.958	8.678	4.808	24
25	1.638	1.018	1.018	1.028	183	52.8	14.8	50.8	16.2	7.988	8.468	4.648	25
26	1.778	1.018	1.018	1.028	178	48.8	13.8	48.2	15.8	8.928	8.388	4.288	26
27	1.708	1.008	1.018	1.028	173	46.8	13.8	47.1	15.8	8.388	8.308	4.048	27
28	1.638	1.008	1.018	1.028	167	43.3	13.3	46.0	15.2	8.738	8.238	3.888	28
29	1.578	1.008	1.018	1.028	161	40.2	13.0	47.4	15.1	8.868	8.118	3.668	29
30	1.508		1.018	1.008	155	37.6	12.8	46.7	15.1	10.1 B	7.998	3.478	30
31	1.438		1.018		148		13.0	43.4		10.1 B		3.278	31
TOTAL	89.08	32.38	31.11	30.84	3 085.08	2 758.8	690.8	1 431.9	686.4	388.88	278.31	181.03	TOTAL
MEAN	2.87	1.12	1.00	1.02	98.9	92.0	22.3	46.2	22.3	11.8	8.18	5.87	MEAN
MAX	4.71	1.38	1.01	1.08	193	148	38.2	81.8	40.8	15.3	10.0	7.88	MAX
MIN	1.43	1.00	1.00	1.01	1.12	37.8	12.0	12.0	15.1	8.88	7.88	3.27	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.3
MAXIMUM DAILY, 193 ON MAY 22
MINIMUM DAILY, 1.008 ON FEB 27
MAXIMUM INSTANTANEOUS,
198 AT 20:08 CST ON MAY 22

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 10 N
LONG 95 39 50 W
DRAINAGE AREA, 4 250 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 700	JUL	59 700
FEB	2 800	AUG	124 000
MAR	2 690	SEP	60 300
APR	2 640	OCT	30 800
MAY	285 000	NOV	23 800
JUN	236 000	DEC	15 700

TOTAL DISCHARGE, 833 000 dam³

LITTLE CHURCHILL RIVER ABOVE RECLUSE LAKE - STATION NO. 06FC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.1	18.8	18.2	10.8	17.1	114	74.8	58.1	58.2	31.1	23.1	23.2	1
2	19.1	18.8	18.8	10.7	28.3	117	71.8	58.2	57.1	31.4	24.4	23.0	2
3	19.1	18.7	18.8	10.3	36.8	126	72.8	58.3	58.1	31.2	28.7	22.2	3
4	19.1	18.7	18.2	10.8	46.8	127	75.8	58.3	53.0	31.7	28.8	22.0	4
5	19.1	18.8	18.0	9.81	48.8	128	78.3	58.8	51.1	31.1	28.8	21.8	5
6	18.0	18.8	14.8	8.88	80.5	123	80.8	64.8	48.8	30.7	28.8	21.7	6
7	18.0	18.8	13.8	8.33	84.2	121	80.7	63.7	46.8	30.4	27.0	21.2	7
8	18.0	17.0	13.4	8.48	80.8E	118	80.2	64.7	46.8	29.8	27.6	21.2	8
9	18.0	17.1	13.3	11.0	117 E	118	83.2	66.4	44.8	28.3	28.0	20.8	9
10	18.8	17.2	12.8	11.3	188 A	112	84.3	67.0	43.2	27.8	27.8	20.4	10
11	18.3	17.4	12.4	11.8	188	108	108	80.2	41.8	27.8	28.0	18.8	11
12	18.8	17.8	12.1	12.8	171	108	107	66.8	40.8	27.8	28.0	18.4	12
13	18.8	17.8	11.8	13.1	188	102	108	68.8	38.8	27.2	28.0	18.2	13
14	18.3	17.0	11.8	11.8	188	98.8	103	70.4	38.8	26.8	28.1	18.0	14
15	18.2	16.8	11.8	8.38	188	88.7	87.8	70.1	38.8	26.7	28.2	18.8	15
16	18.2	16.8	11.2	8.00	148	83.8	83.8	68.8	38.4	26.8	28.1	18.8	16
17	18.3	16.8	11.0	8.84	138	80.2	87.8	67.8	37.4	26.1	27.7	18.7	17
18	18.1	16.3	10.8	8.28	133	88.8	83.3	68.4	37.8	26.7	27.1	18.8	18
19	18.0	15.7	10.8	8.18	128	88.0	78.1	63.3	37.8	24.8	26.8	18.2	19
20	17.7	15.3	10.8	8.80A	127	80.1	78.2	60.8	36.7	23.8	26.7	18.2	20
21	17.8	15.0	11.1	8.80E	126	81.3	73.8	58.8	36.8	22.7	26.8	18.0	21
22	17.8	15.1	11.4	8.28E	128	82.8	70.4	57.3	36.8	23.8	26.8	18.0	22
23	17.4	15.3	11.8	8.30E	128	82.8	67.8	58.8	36.4	24.3	26.4	17.8	23
24	17.1	15.7	11.4	8.28E	126	80.8	65.8	58.3	34.8	23.7	26.8	17.8	24
25	17.1	16.1	10.8	8.40E	124	80.7	63.8	58.8	34.1	23.8	26.2	17.8	25
26	17.1	16.4	10.8	8.85E	122	87.8	62.3	58.3	33.8	23.1	26.8	17.7	26
27	17.3	16.8	10.8	8.88	120	88.1	60.8	58.0	34.0	22.8	26.2	17.8	27
28	17.3	16.8	10.4	8.70	118	83.0	58.8	58.8	33.0	21.8	26.8	17.8	28
29	17.1	16.4	10.8	8.77	117	80.2	57.1	57.8	34.0	20.8	26.3	17.8	29
30	16.7		11.0	13.1	116	77.4	56.0	58.1	33.2	21.8	23.8	17.7	30
31	16.8		10.8		116		55.8	59.1		22.2		17.8	31
TOTAL	581.8	478.2	380.8	290.78	3 487.8	3 028.8	2 419.8	1 843.8	1 230.0	814.2	784.4	601.7	TOTAL
MEAN	18.1	16.8	12.3	9.89	113	101	78.0	59.8	41.3	26.3	25.8	19.4	MEAN
MAX	19.1	17.8	18.8	13.1	171	127	107	70.4	58.2	31.7	28.2	23.2	MAX
MIN	16.7	15.0	10.4	8.18	19.1	77.4	55.8	53.7	32.3	20.8	23.1	17.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 63.8
MAXIMUM DAILY, 171 ON MAY 12
MINIMUM DAILY, 8.18 ON APR 19
MAXIMUM INSTANTANEOUS,
171 AT 15:83 CST ON MAY 13

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 00 N
LONG 95 48 00 W
DRAINAGE AREA, 5 810 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	48 500	JUL	200 000
FEB	41 400	AUG	153 000
MAR	33 900	SEP	107 000
APR	25 100	OCT	70 200
MAY	301 000	NOV	58 800
JUN	263 000	DEC	53 000

TOTAL DISCHARGE, 1 380 000 dam³

LITTLE SASKATCHEWAN RIVER ABOVE RAPID CITY DAM - STATION NO. 05MF001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	478.807	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	478.484	---	---	---	---	---	---	---	478.815	---	3
4	---	478.764	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	478.780	---	478.827	478.847	---	---	---	---	---	5
6	478.834	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	478.855	---	478.837	---	---	---	---	---	478.855	8
9	---	---	---	---	---	---	---	---	---	---	478.868	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	47[illegible]737	---	---	---	---	---	---	11
12	---	---	---	---	---	[illegible]	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	478.303	---	---	---	14
15	---	---	478.874	---	---	---	478.887	---	---	---	---	---	15
16	---	---	---	---	478.762	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	478.884	---	---	---	---	478.817	47[illegible]838	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	478.870	---	---	19
20	478.887	---	---	---	---	478.817	---	---	---	---	---	---	20
21	---	---	---	---	---	---	478.843	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	478.807	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	478.870	---	24
25	---	---	---	---	---	478.807	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	478.738	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	478.803	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	---	---	478.817	---	---	---	---	---	---	30
31	---		---		---	---	---	---		---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 07 18 N
LONG 100 02 24 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

REGULATED SINCE 1962

DRAINAGE AREA,
3 280 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA - STATION NO. 05MF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3008	0.1408	0.1308	1.448	3.13	4.82	0.332	0.388	0.580	0.182	0.4088	0.2328	1
2	0.2888	0.1408	0.1308	2.308	4.00	3.98	0.288	0.388	0.418	0.173	0.4748	0.2218	2
3	0.2808	0.1408	0.1308	2.488	3.38	3.78	0.278	0.300	0.283	0.178	0.4788	0.2128	3
4	0.2808	0.1408	0.1508	2.668	3.14	3.74	0.278	0.304	0.258	0.178	0.5308	0.2158	4
5	0.2848	0.1408	0.1708	3.008	3.61	3.58	0.336	0.191	0.243	0.178	0.4288	0.2178	5
6	0.2858	0.1308	0.1808	4.288	10.6	3.23	0.328	0.128	0.228	0.200	0.4048	0.2118	6
7	0.2428	0.1308	0.1908	8.368	13.0	2.68	0.686	0.108	0.218	0.192	0.4278	0.2408	7
8	0.1848	0.1308	0.1908	9.828	13.3	2.56	0.527	0.111	0.174	0.200	0.4288	0.2308	8
9	0.1938	0.1308	0.1808	11.5 B	14.7	2.28	0.588	0.107	0.161	0.178	0.4528	0.2148	9
10	0.2258	0.1308	0.2008	20.8 B	18.1	2.02	0.672	0.107	0.148	0.180	0.3788	0.2068	10
11	0.1888	0.1308	0.2008	23.6 B	19.2	1.82	0.613	0.086	0.130	0.161	0.3138	0.2148	11
12	0.1908	0.1308	0.2008	18.0	23.8	1.87	0.521	0.088	0.152	0.241	0.3428	0.1828	12
13	0.2108	0.1358	0.2008	9.88	23.6	1.48	0.712	0.078	0.287	0.228	0.3088	0.1888	13
14	0.2188	0.1358	0.2008	8.68	22.3	1.38	0.840	0.081	0.143	0.208	0.2768	0.1978	14
15	0.2188	0.1358	0.2008	8.31	20.8	1.24	0.670	0.074	0.088	0.178	0.2838	0.2338	15
16	0.2108	0.1358	0.2208	7.88	18.8	1.13	0.638	0.087	0.083	0.212	0.2708	0.2118	16
17	0.2008	0.1358	0.2548	7.09	17.4	1.05	0.784	0.188	0.078	0.288	0.2788	0.2108	17
18	0.1908	0.1358	0.3008	6.68	18.1	1.03	0.712	0.188	0.081	0.281	0.2588	0.2078	18
19	0.1808	0.1358	0.3588	6.64	14.8	0.823	0.748	0.133	0.108	0.263	0.2638	0.1888	19
20	0.1708	0.1388	0.4008	6.53	13.3	0.786	0.678	0.108	0.108	0.278	0.2738	0.1888	20
21	0.1808	0.1408	0.4148	6.73	11.8	0.714	0.670	0.186	0.117	0.285	0.2898	0.1868	21
22	0.1908	0.1408	0.5418	6.88	10.4	0.642	0.660	0.142	0.102	0.267	0.2638	0.2038	22
23	0.1908	0.1408	0.8548	6.72	8.22	0.606	0.641	0.188	0.100	0.261	0.2478	0.1888	23
24	0.1908	0.1408	1.21 B	6.58	6.05	0.852	0.510	0.146	0.108	0.278	0.2438	0.1868	24
25	0.1908	0.1638	1.18 B	6.08	7.28	0.492	0.682	0.132	0.088	0.241	0.2338	0.2048	25
26	0.1868	0.1708	1.10 B	3.71	8.70	0.484	0.687	0.112	0.148	0.231	0.2228	0.1818	26
27	0.1868	0.1758	1.10 B	3.33	8.19	0.438	0.643	0.128	0.171	0.225	0.2238	0.1718	27
28	0.1868	0.1858	1.10 B	3.14	8.73	0.414	0.630	0.264	0.188	0.3168	0.2468	0.1838	28
29	0.1868	0.1408	1.10 B	2.99	8.33	0.378	0.456	0.811	0.180	0.3388	0.2388	0.1648	29
30	0.1868		1.10 B	3.03	8.03	0.338	0.441	0.807	0.168	0.3488	0.2308	0.1338	30
31	0.1868		1.08 B		8.08		0.398	0.820		0.3648		0.1408	31
TOTAL	8.171	4.083	19.988	202.12	388.32	60.077	17.018	8.181	5.373	7.764	10.388	6.144	TOTAL
MEAN	0.188	0.140	0.488	6.74	11.9	1.87	0.548	0.200	0.178	0.250	0.347	0.188	MEAN
MAX	0.300	0.175	1.21	23.6	23.8	4.82	0.870	0.811	0.880	0.378	0.878	0.240	MAX
MIN	0.150	0.130	0.130	1.44	3.13	0.338	0.378	0.074	0.078	0.162	0.222	0.133	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.61
MAXIMUM DAILY, 23.8 ON MAY 13
MINIMUM DAILY, 0.074 ON AUG 18
MAXIMUM INSTANTANEOUS,
35.88 AT 18:32 CST ON APR 10

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 28 N
LONG 99 54 00 W
DRAINAGE AREA, 2 930 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	633	JUL	1 470
FEB	350	AUG	535
MAR	1 300	SEP	464
APR	17 500	OCT	670
MAY	31 900	NOV	896
JUN	4 330	DEC	531

TOTAL DISCHARGE, 60 600 dam³

LITTLE SASKATCHEWAN RIVER NEAR RIVERS - STATION NO. 05MP015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1968

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.7555	0.7555	0.6738	0.709	3.65	7.10	0.164	0.347	0.173	0.011	0.008	0.4185	1
2	0.7638	0.7548	0.6648	0.633	4.15	5.94	0.139	0.336	0.086	0.007	0.010	0.4236	2
3	0.7628	0.7518	0.7178	0.661	4.07	4.72	0.102	0.331	0.086	0.005	0.009	0.4268	3
4	0.7638	0.7558	0.6648	0.686	4.15	4.10	0.437	0.323	0.044	0.004	0.008	0.4158	4
5	0.7608	0.7538	0.6748	0.710	4.88	3.81	0.558	0.343	0.044	0.004	0.010	0.4228	5
6	0.7628	0.7488	0.6708	0.701	5.37	3.38	0.844	0.387	0.037	0.004	0.012	0.4308	6
7	0.7668	0.7408	0.6648	0.731	7.76	3.27	0.830	0.387	0.038	0.004	0.013	0.3828	7
8	0.7488	0.7368	0.6568	0.862	9.22	3.11	0.664	0.386	0.032	0.004	0.017	0.3808	8
9	0.7488	0.7328	0.6568	0.886	8.66	2.46	0.618	0.346	0.023	0.005	0.017	0.3838	9
10	0.7488	0.7298	0.6758	0.889	10.6	2.31	0.522	0.305	0.028	0.005	0.017	0.3808	10
11	0.7488	0.7308	0.6818	0.759	13.8	2.00	0.492	0.270	0.075	0.004	0.018	0.3828	11
12	0.7448	0.7268	0.6838	0.780	14.1	1.78	0.804	0.243	0.038	0.005	0.015	0.3848	12
13	0.7488	0.7408	0.6878	2.37	15.8	1.56	0.880	0.245	0.010	0.008	0.014	0.3868	13
14	0.7488	0.7388	0.6888	5.66	16.2	1.40	0.878	0.230	0.003	0.008	0.012	0.3848	14
15	0.7588	0.7388	0.6838	7.14	20.1	1.31	0.848	0.242	0.002	0.011	0.014	0.3898	15
16	0.7528	0.7388	0.7018	8.07	20.1	1.05	0.488	0.203	0.002	0.013	0.013	0.3848	16
17	0.7488	0.7328	0.6868	8.14	18.2	1.07	0.481	0.241	0.003	0.012	0.009	0.3448	17
18	0.7488	0.7288	0.6958	7.83	16.8	1.13	0.448	0.256	0.014	0.012	0.010	0.3478	18
19	0.7488	0.7248	0.6908	7.83	17.8	1.07	0.808	0.285	0.031	0.011	0.011	0.3488	19
20	0.7488	0.7208	0.6758	8.68	18.3	0.863	0.843	0.303	0.033	0.012	0.010	0.3338	20
21	0.7518	0.7068	0.6828	8.39	18.2	0.878	0.838	0.240	0.036	0.011	0.008	0.3318	21
22	0.7638	0.7078	0.6868	8.82	14.0	0.744	0.490	0.210	0.023	0.010	0.0888	0.3308	22
23	0.7618	0.7038	0.6808	8.23	12.9	0.881	0.484	0.144	0.022	0.012	0.3788	0.3288	23
24	0.7678	0.6958	0.6868	8.34	11.1	0.842	0.446	0.161	0.020	0.011	0.4038	0.3278	24
25	0.7588	0.6898	0.7008	8.84	9.80	0.437	0.430	0.198	0.018	0.010	0.4078	0.3288	25
26	0.7568	0.6818	0.6818	8.48	9.13	0.398	0.411	0.218	0.015	0.010	0.4108	0.3258	26
27	0.7488	0.6868	0.6878	4.32	8.48	0.384	0.407	0.148	0.013	0.012	0.4188	0.3248	27
28	0.7618	0.6838	0.7018	4.06	7.76	0.422	0.387	0.138	0.015	0.010	0.4218	0.3208	28
29	0.7478	0.6828	0.6828	3.82	7.26	0.300	0.371	0.148	0.014	0.008	0.4288	0.3178	29
30	0.7488		0.6858	3.71	8.86	0.183	0.389	0.183	0.014	0.008	0.4298	0.3164	30
31	0.7538		0.6798		8.87		0.384	0.180		0.008		0.3198	31
TOTAL	23.380	21.004	21.343	109.835	346.78	58.149	16.848	7.787	0.954	0.283	3.652	11.196	TOTAL
MEAN	0.754	0.724	0.686	3.86	11.2	1.94	0.478	0.251	0.032	0.008	0.122	0.361	MEAN
MAX	0.781	0.758	0.717	8.14	20.1	7.10	0.838	0.387	0.173	0.013	0.438	0.438	MAX
MIN	0.744	0.682	0.658	0.633	3.65	0.183	0.128	0.138	0.002	0.004	0.008	0.317	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.69
MAXIMUM DAILY, 20.1 ON MAY 15
MINIMUM DAILY, 0.002 ON SEP 15
MAXIMUM INSTANTANEOUS,
20.8 AT 05:21 CST ON MAY 15

SUMMARY FOR THE YEAR 1968

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 35 N
LONG 100 12 58 W
DRAINAGE AREA, 3 910 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 030	JUL	1 280
FEB	1 810	AUG	671
MAR	1 840	SEP	82.4
APR	9 480	OCT	22.7
MAY	30 000	NOV	316
JUN	5 020	DEC	967

TOTAL DISCHARGE, 53 500 dam³

LITTLE SOURIS RIVER NEAR BRANDON - STATION NO. 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1968

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.001	0	0	0	0.001	0	0	---	---	1
2	---	---	0B	0.002	0	0	0	0	0	0	---	---	2
3	---	---	0B	0.001	0	0	0	0	0	0	---	---	3
4	---	---	0B	0	0	0	0	0	0	0	---	---	4
5	---	---	0B	0	0	0	0	0	0	0	---	---	5
6	---	---	0B	0	0	0	0	0	0	0	---	---	6
7	---	---	0B	0	0	0	0	0	0	0	---	---	7
8	---	---	0B	0	0	0	0.280	0	0	0	---	---	8
9	---	---	0B	0	0	0	1.84	0	0	0	---	---	9
10	---	---	0B	0	0	0	0.513	0	0	0	---	---	10
11	---	---	0B	0	0	0	0.366	0	0	0	---	---	11
12	---	---	0B	0	0	0	0.184	0	0	0	---	---	12
13	---	---	0B	0	0	0	0.108	0	0	0	---	---	13
14	---	---	0B	0	0	0	0.138	0	0	0	---	---	14
15	---	---	0B	0	0	0	0.377	0	0	0	---	---	15
16	---	---	0B	0	0	0	0.348	0	0	0	---	---	16
17	---	---	0B	0	0	0	0.088	0	0	0	---	---	17
18	---	---	0B	0	0	0	0.038	0	0	0	---	---	18
19	---	---	0B	0	0	0	0.008	0	0	0	---	---	19
20	---	---	0B	0	0	0	0.004	0	0	0	---	---	20
21	---	---	0B	0	0	0	0.004	0	0	0	---	---	21
22	---	---	0B	0	0	0	0.003	0	0	0	---	---	22
23	---	---	0B	0	0	0	0.003	0	0	0	---	---	23
24	---	---	0B	0	0	0	0.003	0	0	0	---	---	24
25	---	---	0B	0	0	0	0.002	0	0	0	---	---	25
26	---	---	0B	0	0	0	0.002	0	0	0	---	---	26
27	---	---	0B	0	0	0	0.001	0	0	0	---	---	27
28	---	---	0B	0	0	0	0.001	0	0	0	---	---	28
29	---	---	0B	0	0	0	0.003	0	0	0	---	---	29
30	---		0B	0	0	0	0.002	0	0	0	---	---	30
31	---		0B		0		0.002	0	0	0	---	---	31
							0.001	0					
TOTAL	---	---	0	0.004	0	0	4.378	0.001	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0.141	0	0	0	---	---	MEAN
MAX	---	---	0	0.002	0	0	1.84	0.001	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 1.84 ON JUL 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.77 AT 05:30 CST ON JUL 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 56 N
LONG 99 59 52 W
DRAINAGE AREA, 454 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	378
FEB	---	AUG	0.09
MAR	0	SEP	0
APR	0.36	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 378 dam³

LONG LAKE NEAR LITTLE GRAND RAPIDS - STATION NO. 4EB010

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.330	28.270	28.278	---	---	28.775	---	---	28.618	28.525	28.414	28.374	1
2	28.317	28.270	28.277	---	---	28.788	---	---	28.621	28.528	28.412	28.378	2
3	28.317	28.268	28.277	---	---	28.817	---	---	28.613	28.532	28.409	28.371	3
4	28.315	28.265	28.278	---	---	28.832	---	---	28.602	28.535	28.408	28.372	4
5	28.313	28.265	28.281	---	---	28.843	---	---	28.592	28.534	28.403	28.373	5
6	28.308	28.265	28.281	---	---	28.849	---	---	28.586	28.530	28.401	28.372	6
7	28.308	28.265	28.283	---	---	28.844	---	---	28.575	28.526	28.400	28.387	7
8	28.308	28.264	28.284	---	---	28.830A	---	---	28.559	28.526	28.398	28.384	8
9	28.304	28.261	28.284	---	---	---	---	---	28.550	28.518	28.393	28.391	9
10	28.299	28.260	28.284	---	---	---	---	---	28.561	28.514	28.392	28.381	10
11	28.295	28.260	28.282	---	---	---	---	---	28.554	28.508	28.388	28.384	11
12	28.290	28.262	28.278	---	---	---	---	---	28.556	28.502	28.387	28.370	12
13	28.286	28.262	28.276	---	---	---	---	---	28.547	28.497	28.385	28.370	13
14	28.282	28.264	28.277	---	---	---	---	---	28.544	28.493	28.382	28.384	14
15	28.279	28.265	28.278A	---	---	---	---	---	28.537	28.485	28.381	28.384	15
16	28.276	28.266	28.278	---	---	---	---	---	28.527	28.479	28.380	28.389	16
17	28.276	28.267	28.276	---	---	---	---	---	28.523	28.472	28.381	28.371	17
18	28.272	28.270	28.271	---	---	---	---	---	28.522	28.466	28.381	28.374	18
19	28.271	28.270	28.266	---	---	---	---	---	28.522	28.462	28.378	28.376	19
20	28.272	28.269	28.267A	---	---	---	---	---	28.519	28.459	28.374	28.376	20
21	28.272	28.273	---	---	---	---	---	---	28.515	28.457	28.375	28.377	21
22	28.272	28.273	---	---	---	---	---	---	28.508	28.457	28.372	28.384	22
23	28.273	28.276	---	---	---	---	---	---	28.518	28.447	28.374	28.387	23
24	28.272	28.273	---	---	---	---	---	---	28.515	28.444	28.375	28.389	24
25	28.269	28.274	---	---	---	---	---	---	28.513	28.437	28.380	28.390	25
26	28.269	28.277	---	---	---	---	---	---	28.514	28.438	28.378	28.392	26
27	28.269	28.277	---	---	---	---	---	---	28.517	28.433	28.374	28.386	27
28	28.269	28.277	---	---	---	---	---	---	28.518	28.428	28.373	28.385	28
29	28.269	28.272	---	---	---	---	---	---	28.521	28.423	28.378	28.401	29
30	28.268		---	---	---	---	---	---	28.524	28.418	28.373	28.403	30
31	28.272		---		---		---	28.948A		28.416		28.404	31
					28.777A			28.928					
MEAN	28.287	28.268	---	---	---	---	---	---	28.547	28.480	28.387	28.378	MEAN
MAX	28.320	28.277	---	---	---	---	---	---	28.621	28.535	28.414	28.404	MAX
MIN	28.268	28.260	---	---	---	---	---	---	28.508	28.416	28.372	28.381	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 30 N
LONG 88 05 20 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LONG RIVER NEAR HOLMFIELD - STATION NO. 4EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1708	0.082	0.032	0	0	0	0	---	---	1
2	---	---	0.0088	0.4828	0.062	0.032	0	0	0	0	---	---	2
3	---	---	0.0178	0.6488	0.050	0.028	0	0	0	0	---	---	3
4	---	---	0.0538	0.7868	0.052	0.016	0	0	0	0	---	---	4
5	---	---	0.1138	0.7138	0.057	0.008	0	0	0	0	---	---	5
6	---	---	0.2278	0.6898	0.063	0.005	0	0	0	0	---	---	6
7	---	---	0.2188	0.6188	0.076	0.004	0	0	0	0	---	---	7
8	---	---	0.2038	0.2178	0.148	0.004	0	0	0	0	---	---	8
9	---	---	0.1918	0.1178	0.134	0.004	0	0	0	0	---	---	9
10	---	---	0.1708	0.1288	0.112	0.003	0	0	0	0	---	---	10
11	---	---	0.1638	0.1228	0.088	0.002	0	0	0	0	---	---	11
12	---	---	0.0008	0.1188	0.094	0.003	0	0	0	0	---	---	12
13	---	---	0.1458	0.083	0.082	0.003	0	0	0	0	---	---	13
14	---	---	0.1648	0.088	0.082	0.006	0	0	0	0	---	---	14
15	---	---	0.1378	0.078	0.082	0.013	0	0	0	0	---	---	15
16	---	---	0.1378	0.078	0.081	0.005	0	0	0	0	---	---	16
17	---	---	0.0828	0.087	0.080	0.004	0	0	0	0	---	---	17
18	---	---	0.1398	0.074	0.068	0.004	0	0	0	0	---	---	18
19	---	---	0.0858	0.080	0.082	0.003	0	0	0	0	---	---	19
20	---	---	0.0828	0.044	0.080	0.002	0	0	0	0	---	---	20
21	---	---	0.1398	0.045	0.048	0.002	0	0	0	0	---	---	21
22	---	---	0.1658	0.043	0.048	0.001	0	0	0	0	---	---	22
23	---	---	0.1798	0.040	0.051	0.002	0	0	0	0	---	---	23
24	---	---	0.1238	0.038	0.040	0.001	0	0	0	0	---	---	24
25	---	---	0.1078	0.035	0.048	0	0	0	0	0	---	---	25
26	---	---	0.1078	0.033	0.050	0	0	0	0	0	---	---	26
27	---	---	0.1188	0.027	0.039	0	0	0	0	0	---	---	27
28	---	---	0.1188	0.028	0.044	0	0	0	0	0	---	---	28
29	---	---	0.0968	0.038	0.047	0	0	0	0	0	---	---	29
30	---		0.0888	0.034	0.038	0	0	0	0	0	---	---	30
31	---		0.0838		0.041		0	0	0	0		---	31
TOTAL	---	---	3.886	5.977	1.978	0.188	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.118	0.199	0.064	0.006	0	0	0	0	---	---	MEAN
MAX	---	---	0.227	0.688	0.148	0.032	0	0	0	0	---	---	MAX
MIN	---	---	0	0.028	0.038	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.046
MAXIMUM DAILY, 0.6888 ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 08 51 N
LONG 88 24 51 W
DRAINAGE AREA, 576 km²

B - ICE CONDITIONS

REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	317	SEP	0
APR	516	OCT	0
MAY	171	NOV	---
JUN	16.1	DEC	---

TOTAL DISCHARGE, 1 020 dam³

MAIN DRAIN NEAR DOMINION CITY - STATION NO. 05OD028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.050B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.150B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.450B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.800E	0	0	0	0	0	0	---	---	4
5	---	---	0 B	1.24 A	0	0	0	0	0	0	---	---	5
6	---	---	0.004B	1.00 E	0	0	0	0	0	0	---	---	6
7	---	---	0.010B	0.840A	0	0	0	0	0	0	---	---	7
8	---	---	0.014B	0.670E	0	0	0	0	0	0	---	---	8
9	---	---	0.008B	0.500E	0	0	0	0	0	0	---	---	9
10	---	---	0.004B	0.330E	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.182A	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.142E	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.124E	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.106E	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.088E	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.073E	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.054E	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.037E	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.020E	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.003A	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0.003E	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0.002E	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.001E	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.010B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.020B	0	0	0	0	0	0	0	---	---	28
29	---	---	0.020B	0	0	0	0	0	0	0	---	---	29
30	---		0.025B	0	0	0	0	0	0	0	---	---	30
31	---		0.050B		0		0	0		0	---	---	31
TOTAL	---	---	0.186	8.849	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.006	0.228	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.050	1.24	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.029
MAXIMUM DAILY, 1.24A ON APR 5
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 01 N
LONG 97 08 42 W
DRAINAGE AREA, 177 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	14.3	SEP	0
APR	592	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 606 dam³

MANICOTAGAN RIVER NEAR MANICOTAGAN - STATION NO. 05RA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.35	1.37	1.40	1.38	2.95	3.18	1.90	1.87	1.48	1.80	1.48	1.44E	1
2	1.32	1.36	1.33	1.50	2.88	3.17	1.90	1.87	1.50	1.83	1.52	1.43E	2
3	1.40	1.32	1.29	1.87	2.78	3.87	1.87	1.86	1.51	1.48	1.58	1.42E	3
4	1.38	1.36	1.26	1.63	2.70	3.77	1.82	1.81	1.52	1.48	1.52	1.41E	4
5	1.34	1.40	1.28	2.01	2.71	3.74	1.94	1.80	1.50	1.44	1.51	1.40E	5
6	1.13	1.37	1.31	2.42	2.72	3.66	2.14	1.80	1.48	1.41	1.50	1.39E	6
7	1.18	1.40	1.33	2.93	3.04	3.41	2.58	1.87	1.46	1.41	1.50	1.38E	7
8	1.48	1.42	1.30	3.68	4.08	3.13	2.20	1.48	1.43	1.42	1.53	1.39E	8
9	1.67	1.38	1.26	4.87	4.93	2.83	2.10	1.47	1.37	1.40	1.56	1.40E	9
10	1.52	1.38	1.22	5.37	4.82	2.73	1.94	1.48	1.38	1.36	1.54	1.41E	10
11	1.41	1.40	1.18	5.41	4.38	2.64	1.88	1.47	1.41	1.32	1.52	1.41E	11
12	1.45	1.41	1.17	5.10	4.14	2.67	1.84	1.48	1.61	1.28	1.51	1.42E	12
13	1.44	1.40	1.16	4.67	4.08	2.41	1.82	1.48	1.64	1.28	1.48	1.42A	13
14	1.38	1.38	1.16	4.85	3.83	2.38	1.83	1.49	1.63	1.31	1.47	1.44	14
15	1.33	1.47	1.17	4.23	3.89	2.28	1.94	1.48	1.62	1.34	1.48	1.34	15
16	1.48	1.47	1.20	3.85	3.62	2.28	1.98	1.51	1.60	1.33	1.48A	1.36	16
17	1.88	1.48	1.23	3.81	3.74	2.22	1.90	1.48	1.63	1.31	1.47E	1.33	17
18	1.88	1.42	1.20	3.42	3.72	2.13	1.87	1.40	1.67	1.33	1.48E	1.32	18
19	1.47	1.38	1.17	3.32	4.18	2.12	1.78	1.38	1.73	1.38	1.47E	1.34	19
20	1.43	1.33	1.18	3.08	4.87	2.08	1.84	1.87	1.81	1.42	1.48E	1.38	20
21	1.41	1.38	1.22	2.83	4.74	1.87	1.84	1.88	1.78	1.40	1.47E	1.32	21
22	1.38	1.30	1.26	2.88	4.88	1.82	1.78	1.78	1.71	1.38	1.43E	1.24	22
23	1.38	1.32	1.28	2.88	4.41	1.83	1.71	1.87	1.88	1.40	1.41E	1.27	23
24	1.38	1.30	1.31	2.88	4.41	1.83	1.71	1.88	1.84	1.47	1.40E	1.33	24
25	1.40	1.31	1.48	2.72	4.28	2.18	1.65	1.77	1.81	1.80	1.42E	1.28	25
26	1.42	1.31	1.47	2.74	4.08	2.08	1.87	1.84	1.88	1.48	1.47E	1.31	26
27	1.41	1.38	1.48	3.01	3.84	2.03	1.88A	1.80	1.70	1.48	1.51E	1.28B	27
28	1.40	1.40	1.42	3.00	3.84	2.18	1.88	1.88	1.88	1.43	1.52E	1.42B	28
29	1.38	1.42	1.41	2.82	3.88	2.11	1.73	1.88	1.87	1.48	1.47E	1.47B	29
30	1.42		1.38	2.87	3.88	2.03	1.88	1.81	1.87	1.48	1.48E	1.40B	30
31	1.43		1.38		3.47		1.70	1.81		1.48		1.51B	31
TOTAL	43.72	38.88	39.80	97.33	119.21	78.38	57.48	48.38	47.08	43.74	44.81	42.44	TOTAL
MEAN	1.41	1.38	1.28	3.24	3.85	2.66	1.87	1.58	1.57	1.41	1.48	1.37	MEAN
MAX	1.67	1.48	1.48	5.41	4.83	3.77	2.58	1.78	1.81	1.80	1.58	1.51	MAX
MIN	1.13	1.30	1.16	1.38	2.70	1.63	1.58	1.38	1.38	1.28	1.40	1.21	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.61
MAXIMUM DAILY, 5.41 ON APR 11
MINIMUM DAILY, 1.13 ON JAN 6
MAXIMUM INSTANTANEOUS,
5.50 AT 23:25 CST ON APR 10

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 54 N
LONG 98 17 00 W
DRAINAGE AREA, 1 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 780	JUL	5 000
FEB	3 480	AUG	4 180
MAR	3 440	SEP	4 070
APR	8 410	OCT	3 780
MAY	10 300	NOV	3 880
JUN	6 800	DEC	3 670

TOTAL DISCHARGE, 60 500 dam³

MANNING CANAL NEAR ILE DES CHENES - STATION NO. 05OE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.30 B	0.104E	0.022	0	0.017	0	0.018	---	---	1
2	---	---	0 B	4.48 B	0.098E	0.020	0	0.031	0	0.018	---	---	2
3	---	---	0.0108	6.85 B	0.089E	0.020	0	0.042	0	0.014	---	---	3
4	---	---	0.0503	5.42 B	0.068E	0.022	0	0.039	0	0.014	---	---	4
5	---	---	0.1008	3.84 B	0.079E	0.023	0	0.033	0	0.014	---	---	5
6	---	---	0.1138	2.38 B	0.074E	0.022	0	0.025	0	0.013	---	---	6
7	---	---	0.0418	2.32 B	0.074E	0.021	0	0.017	0	0.258	---	---	7
8	---	---	0.0058	1.40	0.072E	0.023	0	0.011	0	0.590	---	---	8
9	---	---	0.0078	0.882	0.068E	0.022	0	0.006	0	0.597	---	---	9
10	---	---	0.0808	0.627	0.068E	0.021	0	0.005	0.001	0.442	---	---	10
11	---	---	0.0788	0.433	0.083E	0.018	0.003	0.004	0.002	0.314	---	---	11
12	---	---	0.1808	0.288	0.080E	0.015	0.015	0.003	0.006	0.218	---	---	12
13	---	---	0.2258	0.204	0.088E	0.013	0.018	0.003	0.012	0.168	---	---	13
14	---	---	0.3188	0.147	0.083E	0.014	0.022	0.002	0.020	0.102	---	---	14
15	---	---	0.3508	0.116	0.048E	0.021	0.031	0.001	0.021	0.078	---	---	15
16	---	---	0.2708	0.100	0.044E	0.020	0.082	0.001	0.035	0.080	---	---	16
17	---	---	0.1808	0.088	0.048A	0.026	0.172	0.001	0.038	0.063	---	---	17
18	---	---	0.1008	0.084	0.214	0.024	0.318	0.002	0.037	0.048	---	---	18
19	---	---	0.1258	0.078	0.308	0.018	0.328	0.006	0.038	0.048	---	---	19
20	---	---	0.1808	0.088	0.380	0.010	0.240	0.023	0.037	0.044	---	---	20
21	---	---	0.1858	0.072	0.232	0.006	0.142	0.022	0.034	0.038	---	---	21
22	---	---	0.2258	0.078	0.108	0.001	0.093	0.018	0.072	0.041	---	---	22
23	---	---	0.2008	0.074	0.080	0	0.087	0.010	0.220	0.080	---	---	23
24	---	---	0.1808	0.088	0.072	0	0.082	0.008	0.300	0.074	---	---	24
25	---	---	0.1808	0.087	0.088	0	0.048	0.002	0.273	0.078	---	---	25
26	---	---	0.1408	0.103	0.081	0	0.038	0.001	0.188	0.087	---	---	26
27	---	---	0.1208	0.109	0.048	0	0.031	0	0.083	0.0838	---	---	27
28	---	---	0.1408	0.110E	0.042	0	0.023	0	0.038	0.0808	---	---	28
29	---	---	0.1208	0.108E	0.037	0	0.018	0	0.028	0.0508	---	---	29
30	---	---	0.1208	0.108E	0.033	0	0.018	0	0.021	0.0508	---	---	30
31	---		0.1278		0.027		0.014	0		0.0508		---	31
TOTAL	---	---	4.194	32.483	2.849	0.601	1.773	0.332	1.488	3.711	---	---	TOTAL
MEAN	---	---	0.135	1.02	0.092	0.013	0.057	0.011	0.049	0.120	---	---	MEAN
MAX	---	---	0.350	6.85	0.380	0.026	0.328	0.042	0.300	0.597	---	---	MAX
MIN	---	---	0	0.088	0.027	0	0	0	0	0.013	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.193
MAXIMUM DAILY, 6.85B ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 50 N
LONG 98 54 20 W
DRAINAGE AREA, 494 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	153
FEB	---	AUG	38.7
MAR	382	SEP	127
APR	2 800	OCT	321
MAY	248	NOV	---
JUN	34.8	DEC	---

TOTAL DISCHARGE, 4 070 dam³

MAPLE LAKE NEAR PIPESTONE - STATION NO. 05NE022

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	428.833E	428.778	DRY	DRY	DRY	DRY	DRY	---	---	1
2	---	---	---	428.838E	428.838	DRY	DRY	DRY	DRY	DRY	---	---	2
3	---	---	---	428.840E	428.853	DRY	DRY	DRY	DRY	DRY	---	---	3
4	---	---	---	428.844E	428.848	DRY	DRY	DRY	DRY	DRY	---	---	4
5	---	---	---	428.853A	428.838	DRY	DRY	DRY	DRY	DRY	---	---	5
6	---	---	---	428.847	428.838	DRY	DRY	DRY	DRY	DRY	---	---	6
7	---	---	---	428.843	428.842	DRY	DRY	DRY	DRY	DRY	---	---	7
8	---	---	---	428.838	428.845	DRY	DRY	DRY	DRY	DRY	---	---	8
9	---	---	---	428.833	428.840	DRY	DRY	DRY	DRY	DRY	---	---	9
10	---	---	---	428.831	428.838	DRY	DRY	DRY	DRY	DRY	---	---	10
11	---	---	---	428.827	428.831	DRY	DRY	DRY	DRY	DRY	---	---	11
12	---	---	---	428.821	428.834	DRY	DRY	DRY	DRY	DRY	---	---	12
13	---	---	---	428.814	428.828	DRY	DRY	DRY	DRY	DRY	---	---	13
14	---	---	---	428.809	428.823	DRY	DRY	DRY	DRY	DRY	---	---	14
15	---	---	---	428.802	428.841	DRY	DRY	DRY	DRY	DRY	---	---	15
16	---	---	---	428.788	428.838	DRY	DRY	DRY	DRY	DRY	---	---	16
17	---	---	---	428.778	428.828	DRY	DRY	DRY	DRY	DRY	---	---	17
18	---	---	---	DRY	428.825	DRY	DRY	DRY	DRY	DRY	---	---	18
19	---	---	---	DRY	428.828	DRY	DRY	DRY	DRY	DRY	---	---	19
20	---	---	---	DRY	428.826	DRY	DRY	DRY	DRY	DRY	---	---	20
21	---	---	---	DRY	428.819	DRY	DRY	DRY	DRY	DRY	---	---	21
22	---	---	---	DRY	428.813	DRY	DRY	DRY	DRY	DRY	---	---	22
23	---	---	428.831A	DRY	428.805	DRY	DRY	DRY	DRY	DRY	---	---	23
24	---	---	428.831E	DRY	428.782	DRY	DRY	DRY	DRY	DRY	---	---	24
25	---	---	428.830E	DRY	428.778	DRY	DRY	DRY	DRY	DRY	---	---	25
26	---	---	428.830E	DRY	428.774	DRY	DRY	DRY	DRY	DRY	---	---	26
27	---	---	428.830E	DRY	428.772	DRY	DRY	DRY	DRY	DRY	---	---	27
28	---	---	428.830E	DRY	428.765	DRY	DRY	DRY	DRY	DRY	---	---	28
29	---	---	428.829E	DRY	428.758	DRY	DRY	DRY	DRY	DRY	---	---	29
30	---		428.829E	DRY	428.758A	DRY	DRY	DRY	DRY	DRY	---	---	30
31	---		428.829E		DRY		DRY	DRY		DRY		---	31
MEAN	---	---	---	447.812	428.617	DRY	DRY	DRY	DRY	DRY	---	---	MEAN
MAX	---	---	---	DRY	428.853	DRY	DRY	DRY	DRY	DRY	---	---	MAX
MIN	---	---	---	428.778	428.758	DRY	DRY	DRY	DRY	DRY	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 428.853 ON MAY 3
MINIMUM DAILY, DRY ON JUN 30

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 14 N
LONG 100 48 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1988

DRAINAGE AREA,
1 170 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1988, PUBLISHED AS "MAPLE (MARSHY)"

MARGARET LAKE NEAR OTTER FALLS - STATION NO. 05PP801

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	274.178	274.091	274.212	274.188	---	---	---	1
2	---	---	---	---	---	274.184	274.068	274.217	274.188	---	---	---	2
3	---	---	---	---	---	274.184	274.065	274.162	274.181	---	---	---	3
4	---	---	---	---	---	274.178	274.033	274.227	---	---	274.380	---	4
5	---	---	---	---	---	274.129	274.031	274.210	---	---	---	---	5
6	---	---	---	---	---	274.104	274.181	274.212	---	274.381	---	---	6
7	---	---	---	---	---	274.104	274.281	274.192	---	---	---	---	7
8	---	---	---	---	---	274.188	274.231	274.188	---	---	---	---	8
9	---	---	---	---	---	274.070	274.328	274.183	---	---	---	---	9
10	---	---	---	---	274.178	274.032	274.188	274.214	---	---	---	---	10
11	---	---	---	---	274.188	274.148	274.187	274.184	---	---	---	---	11
12	---	---	---	---	274.183	274.140	274.207	274.209	---	---	---	---	12
13	---	---	---	---	274.138	274.138	274.221	274.188	---	---	---	---	13
14	---	---	---	---	274.186	274.210	274.301	274.126	---	---	---	---	14
15	---	---	---	---	274.182	274.181	274.188	274.138	---	---	---	---	15
16	---	---	---	---	274.183	274.183	274.188	274.186	---	---	---	---	16
17	---	---	---	---	274.183	274.180	274.208	274.188	---	---	---	---	17
18	---	---	---	---	274.186	274.188	274.178	274.188	---	---	---	---	18
19	---	---	---	---	274.187	274.145	274.184	274.178	274.171	---	---	---	19
20	---	---	---	---	274.186	274.140	274.189	274.211	---	---	---	---	20
21	---	---	---	---	274.214	274.178	274.1832	274.188	---	---	---	---	21
22	---	---	---	---	274.182	274.186	274.186	274.181	---	---	---	---	22
23	---	---	---	---	274.183	274.130	274.210	274.138	---	---	---	---	23
24	---	---	---	---	274.181	274.186	274.304	274.141	---	---	---	---	24
25	---	---	---	---	274.182	274.140	274.217	274.170	---	---	---	---	25
26	---	---	---	---	274.1[illegible]	[illegible].088	274.186	274.224	---	---	---	---	26
27	---	---	---	---	274.1[illegible]	[illegible].184	274.200	274.181	---	---	---	---	27
28	---	---	---	---	274.133	274.186	274.171	274.178	---	---	---	---	28
29	---	---	---	---	274.187	274.186	274.246	274.178	---	---	---	---	29
30	---		---	---	274.178	274.108	274.231	274.147	---	---	---	---	30
31	---		---		274.204		274.191	274.186		---		---	31
MEAN	---	---	---	---	---	274.143	274.178	274.182	---	---	---	---	MEAN
MAX	---	---	---	---	---	274.210	274.281	274.227	---	---	---	---	MAX
MIN	---	---	---	---	---	274.038	274.031	274.138	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 05 39 N
LONG 95 49 04 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA,
127 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MARSH RIVER NEAR OTTERBURNE - STATION NO. 05OE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.132	0	0	0	0	0	---	---	1
2	---	---	0B	0.1158	0.102	0	0	0	0	0	---	---	2
3	---	---	0B	0.2308	0.083	0	0	0	0	0	---	---	3
4	---	---	0B	0.3458	0.086	0	0	0	0	0	---	---	4
5	---	---	0B	0.3888	0.078	0	0	0	0	0	---	---	5
6	---	---	0B	0.4838	0.070	0	0	0	0	0	---	---	6
7	---	---	0B	2.08 B	0.083	0	0	0	0	0	---	---	7
8	---	---	0B	2.23	0.083	0	0	0	0	0	---	---	8
9	---	---	0B	1.98	0.060	0	0	0	0	0	---	---	9
10	---	---	0B	1.73	0.038	0	0	0	0	0	---	---	10
11	---	---	0B	1.48	0.014	0	0	0	0	0	---	---	11
12	---	---	0B	1.28	0.001	0	0	0	0	0	---	---	12
13	---	---	0B	1.13	0	0	0	0	0	0	---	---	13
14	---	---	0B	0.880	0	0	0	0	0	0	---	---	14
15	---	---	0B	0.882	0	0	0	0	0	0	---	---	15
16	---	---	0B	0.835	0	0	0	0	0	0	---	---	16
17	---	---	0B	0.368	0	0	0	0	0	0	---	---	17
18	---	---	0B	0.283	0	0	0	0	0	0	---	---	18
19	---	---	0B	0.221	0	0	0	0	0	0	---	---	19
20	---	---	0B	0.188	0	0	0	0	0	0	---	---	20
21	---	---	0B	0.138	0	0	0	0	0	0	---	---	21
22	---	---	0B	0.133	0	0	0	0	0	0	---	---	22
23	---	---	0B	0.131	0	0	0	0	0	0	---	---	23
24	---	---	0B	0.128	0	0	0	0	0	0	---	---	24
25	---	---	0B	0.126	0	0	0	0	0	0	---	---	25
26	---	---	0B	0.126	0	0	0	0	0	0	---	---	26
27	---	---	0B	0.132	0	0	0	0	0	0B	---	---	27
28	---	---	0B	0.134	0	0	0	0	0	0B	---	---	28
29	---	---	0B	0.133	0	0	0	0	0	0B	---	---	29
30	---		0B	0.130	0	0	0	0	0	0B	---	---	30
31	---		0B		0		0	0		0B		---	31
TOTAL	---	---	0	17.850	0.761	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.595	0.024	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	2.23	0.132	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.076
MAXIMUM DAILY, 2.23 ON APR 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.479 AT 11:21 CST ON APR 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 00 N
LONG 97 09 30 W
DRAINAGE AREA, 449 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 540	OCT	0
MAY	64.8	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 600 dam³

MARY JANE RESERVOIR NEAR LA RIVIERE - STATION NO. 05OB014

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	488.008	487.977	487.976	488.191	488.430	488.341	488.185	487.884	487.784	487.888	487.802	487.878	1
2	488.008	487.976	487.973	488.248	488.432	488.338	488.148	487.888	487.780	487.884	487.803	487.874	2
3	488.007	487.973	487.973	488.348	488.431	488.334	488.143	487.885	487.758	487.885	487.801	487.872	3
4	488.006	487.972	487.973	488.428	488.428	488.328	488.138	487.880	487.747	487.881	487.801	487.872	4
5	488.003	487.969	487.976	488.487	488.424	488.320	488.130	487.872	487.742	487.878	487.801	487.871	5
6	488.001	487.968	487.981	488.481	488.422	488.310	488.152	487.884	487.728	487.871	487.800	487.870	6
7	487.999	487.968	487.985	488.480	488.427	488.302	488.148	487.881	487.726	487.888	487.898	487.871	7
8	487.998	487.968	488.002	488.458	488.443	488.293	488.140	487.843	487.717	487.887	487.897	487.882	8
9	487.997	487.968	488.006	488.497	488.438	488.278	488.134	487.834	487.707	487.884	487.895	487.888	9
10	487.994	487.965	488.014	488.486	488.434	488.270	488.128	487.827	487.704	487.880	487.893	487.887	10
11	487.993	487.964	488.030	488.486	488.431	488.281	488.124	487.822	487.731	487.857	487.888	487.888	11
12	487.990	487.962	488.038	488.492	488.431	488.255	488.117	487.813	487.734	487.852	487.888	487.882	12
13	487.988	487.961	488.038	488.481	488.428	488.248	488.117	487.810	487.728	487.846	487.888	487.882	13
14	487.990	487.985	488.046	488.487	488.422	488.242	488.118	487.804	487.725	487.843	487.884	487.884	14
15	487.988	487.982	488.052	488.488	488.421	488.243	488.113	487.898	487.722	487.841	487.882	487.883	15
16	487.986	487.959	488.054	488.483	488.418	488.228	488.107	487.891	487.721	487.838	487.895	487.882	16
17	487.986	487.958	488.057	488.478	488.414	488.234	488.101	487.881	487.718	487.837	487.892	487.881	17
18	487.986	487.958	488.059	488.470	488.407	488.242	488.094	487.878	487.719	487.834	487.892	487.888	18
19	487.985	487.958	488.062	488.467	488.404	488.240	488.088	487.870	487.725	487.830	487.890	487.889	19
20	487.984	487.956	488.065	488.463	488.401	488.232	488.083	487.883	487.721	487.827	487.887	487.888	20
21	487.983	487.953	488.067	488.480	488.398	488.228	488.078	487.858	487.718	487.828	487.888	487.888	21
22	487.986	487.957	488.068	488.487	488.392	488.220	488.071	487.844	487.713	487.824	487.888	487.888	22
23	487.983	487.958	488.076	488.488	488.384	488.211	488.080	487.832	487.708	487.818	487.885	487.884	23
24	487.986	487.958	488.098	488.448	488.379	488.204	488.084	487.825	487.708	487.814	487.885	487.888	24
25	487.988	487.958	488.130	488.446	488.371	488.198	488.048	487.817	487.704	487.810	487.884	487.885	25
26	487.984	487.956	488.140	488.441	488.367	488.194	488.037	487.809	487.701	487.808	487.884	487.885	26
27	487.980	487.957	488.142	488.438	488.388	488.188	488.029	487.798	487.696	487.812	487.884	487.887	27
28	487.978	487.954	488.148	488.436	488.362	488.178	488.022	487.782	487.688	487.811	487.882	487.884	28
29	487.977	487.969	488.159	488.433	488.387	488.171	488.018	487.787	487.685	487.807	487.878	487.884	29
30	487.977		488.164	488.431	488.382	488.180	488.012	487.781	487.693	487.805	487.878	487.884	30
31	487.978		488.170		488.347		488.003	487.771		487.803		487.884	31
MEAN	487.990	487.963	488.068	488.447	488.408	488.250	488.084	487.888	487.721	487.842	487.891	487.882	MEAN
MAX	488.008	487.977	488.170	488.498	488.443	488.341	488.185	487.884	487.784	487.888	487.803	487.878	MAX
MIN	487.977	487.953	487.973	488.191	488.347	488.180	488.003	487.771	487.693	487.803	487.878	487.884	MIN

WATER LEVELS IN METRES

MEAN, 487.987
MAXIMUM DAILY, 488.498 ON APR 6
MINIMUM DAILY, 487.884 ON DEC 23
MAXIMUM INSTANTANEOUS,
488.501 AT 17:24 CST ON APR 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 14 N
LONG 98 37 27 W

REGULATED

DRAINAGE AREA,
73.6 km²

MCKINNON CREEK NEAR MCCREARY - STATION NO. 05LJ027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0068	0.428	0.032	0	0	0	0.021	---	---	1
2	---	---	0 B	0.0478	1.57	0.022	0	0	0	0.023	---	---	2
3	---	---	0 B	0.1098	1.92	0.021	0	0	0	0.034	---	---	3
4	---	---	0.0018	1.58 B	1.03	0.015	0	0	0	0.038	---	---	4
5	---	---	0.0088	1.83 B	0.834	0.008	0	0	0	0.041	---	---	5
6	---	---	0.0088	1.14 B	0.841	0.008	0	0	0	0.045	---	---	6
7	---	---	0.0088	1.01 B	1.80	0.018	0	0	0	0.037	---	---	7
8	---	---	0.0188	0.8228	1.46	0.013	0	0	0	0.038	---	---	8
9	---	---	0.0288	0.6008	0.827	0.028	0	0	0	0.048	---	---	9
10	---	---	0.0138	0.5208	0.581	0.028	0	0	0	0.052	---	---	10
11	---	---	0.0088	0.4708	0.438	0.038	0	0	0	0.060	---	---	11
12	---	---	0.0018	0.8298	0.318	0.032	0	0	0	0.080	---	---	12
13	---	---	0.0018	0.3338	0.278	0.017	0	0	0	0.084	---	---	13
14	---	---	0 B	0.2218	0.248	0.014	0.002	0	0	0.083	---	---	14
15	---	---	0 B	0.2098	0.245 *	0.018	0.008	0	0	0.078	---	---	15
16	---	---	0 B	0.1888	0.218	0.031	0.005	0	0	0.087	---	---	16
17	---	---	0 B	0.1798	0.188	0.022	0.001	0	0	0.094	---	---	17
18	---	---	0 B	0.1728	0.174	0.013	0	0	0	0.084	---	---	18
19	---	---	0 B	0.1868	0.170	0.010	0	0	0	0.087	---	---	19
20	---	---	0.0018	0.1678	0.148	0.011	0	0	0.001	0.088	---	---	20
21	---	---	0.0078	0.1688	0.131	0.008	0	0.012	0.002	0.090	---	---	21
22	---	---	0.0188	0.1858	0.120	0.004	0	0	0.003	0.087	---	---	22
23	---	---	0.0088	0.1648	0.108	0.004	0	0	0.003	0.078	---	---	23
24	---	---	0.0088	0.188	0.088	0.005	0	0	0.005	0.082	---	---	24
25	---	---	0.0338	0.186	0.085	0.002	0	0	0.004	0.080	---	---	25
26	---	---	0.0148	0.311	0.088	0	0	0	0.014	0.088	---	---	26
27	---	---	0.0048	0.193	0.088	0	0	0	0.020	0.088	---	---	27
28	---	---	0.0038	0.388	0.084	0	0	0	0.024	0.049	---	---	28
29	---	---	0 B	0.888	0.048	0	0	0.008	0.027	0.048	---	---	29
30	---	---	0 B	0.435	0.048	0	0	0.008	0.024	0.050	---	---	30
31	---		0 B		0.032		0	0.001		0.055		---	31
TOTAL	---	---	0.300	12.884	13.877	0.418	0.018	0.037	0.127	1.721	---	---	TOTAL
MEAN	---	---	0.010	0.429	0.448	0.014	0.001	0.001	0.004	0.055	---	---	MEAN
MAX	---	---	0.088	1.83	1.92	0.038	0.008	0.012	0.027	0.088	---	---	MAX
MIN	---	---	0	0.008	0.032	0	0	0	0	0.021	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.120
MAXIMUM DAILY, 1.92 ON MAY 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.780 AT 08:58 CST ON APR 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 00 N
LONG 99 28 48 W
DRAINAGE AREA, 78.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1.38
FEB	---	AUG	3.33
MAR	28.8	SEP	11.0
APR	1 110	OCT	150
MAY	1 200	NOV	---
JUN	38.1	DEC	---

TOTAL DISCHARGE, 2 540 dam³

MEDORA CREEK NEAR NAPINKA - STATION NO. 05NC020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0278	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0458	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0888	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.295	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.300	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.123	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.077	0.001	0	0	0	0	0	---	---	7
8	---	---	0 B	0.048	0.001	0	0	0	0	0	---	---	8
9	---	---	0 B	0.032	0.001	0	0	0	0	0	---	---	9
10	---	---	0 B	0.020	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.016	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.012	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.008	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.007	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.006	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.005	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.003	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0.003	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0.002	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0.002	0	0	0	0	0	0	---	---	20
21	---	---	0.0068	0.002	0	0	0	0	0	0	---	---	21
22	---	---	0.0228	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0.0218	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0.0198	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0.0178	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0.0168	0	0	0	0	0	0	0	---	---	26
27	---	---	0.0158	0	0	0	0	0	0	0	---	---	27
28	---	---	0.0138	0	0	0	0	0	0	0	---	---	28
29	---	---	0.0128	0	0	0	0	0	0	0	---	---	29
30	---		0.0118	0	0	0	0	0	0	0	---	---	30
31	---		0.0228		0		0	0		0		---	31
TOTAL	---	---	0.174	1.036	0.003	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.006	0.035	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.022	0.288	0.001	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.288 ON APR 4
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.331 AT 10:51 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 30 N
LONG 100 42 10 W
DRAINAGE AREA, 435 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	15.0	SEP	0
APR	89.5	OCT	0
MAY	0.28	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 105 dam³

METIGOSHE LAKE NEAR METIGOSHE - STATION NO. 05MF804

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	851.528E	851.584	851.582E	851.422E	851.30I	851.180E	851.132E	---	---	1
2	---	---	---	851.528E	851.574E	851.582	851.422	851.288E	851.18E	851.127	---	---	2
3	---	851.548	---	851.528	851.584	851.557E	851.417E	851.290	851.188E	851.127E	---	---	3
4	---	---	---	851.528E	851.570E	851.552	851.412	851.283E	851.18E	851.127	---	---	4
5	---	---	---	851.528	851.574	851.547E	851.418	851.278	851.180E	851.122E	---	---	5
6	---	---	---	851.533E	851.578E	851.542	851.412	851.270E	851.14E	851.117	---	---	6
7	---	---	---	851.528	851.584	851.534	851.412E	851.28E	851.140E	851.117E	---	---	7
8	---	---	---	851.538E	851.588E	851.532	851.412	851.280E	851.13E	851.117	---	---	8
9	---	---	---	851.53E	851.584	851.527E	851.407E	851.28E	851.130E	851.112E	---	---	9
10	---	---	---	851.543E	851.584E	851.522	851.402	851.250E	851.12E	851.107	---	---	10
11	---	---	---	851.548	851.584	851.512E	851.402E	851.24E	851.138E	851.107E	---	---	11
12	---	---	---	851.548E	851.584E	851.502	851.402	851.250E	851.14E	851.107	---	---	12
13	---	---	---	851.548	851.584	851.492E	851.407E	851.25E	851.140E	851.107E	---	---	13
14	---	---	---	851.558E	851.584E	851.482	851.412	851.28EE	851.13E	851.107	---	---	14
15	---	---	---	851.56E	851.58I	851.482E	851.407E	851.26E	851.135E	851.107E	---	---	15
16	---	---	---	851.573E	851.588E	851.502	851.402	851.288E	851.13E	851.107	---	---	16
17	---	---	---	851.57E	851.60I	851.492E	851.387E	851.28E	851.13EE	851.102E	---	---	17
18	---	---	---	851.573E	851.603E	851.482	851.382	851.280E	851.13E	851.087	---	---	18
19	---	851.551	---	851.58E	851.60I	851.477E	851.387E	851.24E	851.145E	851.087E	---	---	19
20	---	---	---	851.58O	851.603E	851.472	851.382	851.240E	851.15E	851.087	---	---	20
21	---	---	---	851.57E	851.60I	851.467E	851.377E	851.23E	851.150E	851.092E	---	---	21
22	---	---	---	851.575E	851.598E	851.462	851.372	851.230E	851.14E	851.087	---	---	22
23	---	---	---	851.57E	851.59I	851.462E	851.382E	851.22E	851.148E	851.087E	---	---	23
24	---	---	---	851.570E	851.588E	851.462	851.362	851.215E	851.14E	851.087	---	---	24
25	---	---	---	851.56E	851.58I	851.457E	851.342E	851.20E	851.142E	851.082E	---	---	25
26	---	---	---	851.565E	851.583E	851.462	851.332	851.195E	851.13E	851.077	---	---	26
27	---	---	---	851.56E	851.58I	851.442E	851.327E	851.18E	851.138E	851.077E	---	---	27
28	---	---	---	851.565E	851.578E	851.432	851.322	851.190E	851.13I	851.077	---	---	28
29	---	---	---	851.58I	851.57I	851.427E	851.322E	851.17E	851.137E	851.078E	---	---	29
30	---		---	851.584E	851.588E	851.422	851.322	851.170E	851.13I	851.078E	---	---	30
31	---		---		851.582		851.312E	851.18E		851.078E		---	31
MEAN	---	---	---	851.55E	851.587	851.484	851.383	851.24O	851.142	851.101	---	---	MEAN
MAX	---	---	---	851.58O	851.603	851.582	851.422	851.30I	851.190	851.132	---	---	MAX
MIN	---	---	---	851.528	851.582	851.432	851.312	851.18E	851.12E	851.07E	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 851.603 ON MAY 17

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 00 05 N
LONG 100 21 56 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA,
174 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MINK CREEK NEAR ETHELBERT - STATION NO. 05LJ019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0098	1.84 B	5.89	0.135	0.071	0	0.002	0.038	---	---	1
2	---	---	0.0088	4.46 B	10.4	0.135	0.084	0	0.001	0.032	---	---	2
3	---	---	0.0218	11.2 B	15.2	0.104	0.058	0	0	0.033	---	---	3
4	---	---	0.0328	10.6 B	10.3	0.080	0.047	0	0	0.036	---	---	4
5	---	---	0.0698	7.72 B	8.53	0.070	0.041	0	0	0.037	---	---	5
6	---	---	0.0488	5.53 B	3.93	0.081	0.053	0	0.001	0.038	---	---	6
7	---	---	0.0498	3.73 B	5.80	0.068	0.150	0	0	0.038	---	---	7
8	---	---	0.0598	1.78 B	8.58	0.044	0.100	0	0	0.032	---	---	8
9	---	---	0.0488	1.02	4.97	0.027	0.081	0	0	0.038	---	---	9
10	---	---	0.0298	0.873	3.36	0.041	0.044	0	0	0.042	---	---	10
11	---	---	0.0158	0.878	2.36	0.148	0.027	0	0	0.037	---	---	11
12	---	---	0.0138	0.863	1.84	0.218	0.038	0	0	0.038	---	---	12
13	---	---	0.0148	0.810	1.34	0.315	0.038	0	0	0.041	---	---	13
14	---	---	0.0148	0.882	0.930	0.188	0.080	0	0	0.041	---	---	14
15	---	---	0.0138	0.817	0.870	0.198	0.048	0	0	0.042	---	---	15
16	---	---	0.0188	0.832	0.840	0.181	0.041	0	0	0.043	---	---	16
17	---	---	0.0148	0.828	0.806	0.113	0.030	0.018	0	0.043	---	---	17
18	---	---	0.0188	0.488	0.787	0.084	0.018	0.222	0	0.044	---	---	18
19	---	---	0.0188	0.426	0.788	0.080	0.018	0.114	0	0.080	---	---	19
20	---	---	0.0488	0.378A	0.881	0.068	0.007	0.121	0	0.044	---	---	20
21	---	---	0.1488	0.311	0.834	0.034	0.004	0.133	0	0.042	---	---	21
22	---	---	0.2838	0.304	0.488	0.028	0.001	0.182	0.004	0.083	---	---	22
23	---	---	0.1908	0.351	0.378	0.027	0	0.181	0.012	0.048	---	---	23
24	---	---	0.0598	0.388	0.301	0.052	0	0.098	0.011	0.080	---	---	24
25	---	---	0.0848	0.431	0.282	0.278	0	0.081	0.007	0.0528	---	---	25
26	---	---	0.0488	0.288	0.217	0.185	0	0.048	0.007	0.0518	---	---	26
27	---	---	0.0488	0.453	0.238	0.145	0	0.054	0.073	0.0518	---	---	27
28	---	---	0.0378	1.02	0.198	0.118	0	0.170	0.088	0.0518	---	---	28
29	---	---	0.0408	2.26	0.170	0.088	0	0.084	0.060	0.0528	---	---	29
30	---		0.0728	3.37	0.155	0.078	0	0.028	0.040	0.0588	---	---	30
31	---		0.1488		0.198		0	0.018		0.0818		---	31
TOTAL	---	---	1.838	84.181	88.412	3.188	0.883	1.474	0.337	1.348	---	---	TOTAL
MEAN	---	---	0.083	2.14	2.78	0.108	0.032	0.048	0.011	0.043	---	---	MEAN
MAX	---	---	0.283	11.2	15.2	0.278	0.150	0.222	0.073	0.061	---	---	MAX
MIN	---	---	0.008	0.288	0.198	0.028	0	0	0	0.032	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.851
MAXIMUM DAILY, 15.2 ON MAY 3
MINIMUM DAILY, 0 ON JUL 23
MAXIMUM INSTANTANEOUS,
15.8 AT 07:33 CST ON MAY 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 00 N
LONG 100 21 10 W
DRAINAGE AREA, 144 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	88.8
FEB	---	AUG	127
MAR	162	SEP	38.1
APR	5 840	OCT	118
MAY	7 470	NOV	---
JUN	278	DEC	---

TOTAL DISCHARGE, 13 800 dam³

MINNEWASTA CREEK NEAR BEULAH - STATION NO. 05ME006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.020E	0.007	0.008	0.001	---	---	---	---	---	1
2	---	---	0B	0.103E	0.082	0.011	0	---	---	---	---	---	2
3	---	---	0B	0.219E	0.418	0.009	0	---	---	---	---	---	3
4	---	---	0B	0.384E	0.202	0.008	0	---	---	---	---	---	4
5	---	---	0B	0.590E	0.070	0.007	0.001	---	---	---	---	---	5
6	---	---	0B	0.437A	0.086	0.008	0.001	---	---	---	---	---	6
7	---	---	0B	0.294	0.188	0.005	0.001	---	---	---	---	---	7
8	---	---	0B	0.148	0.228	0.007	0	---	---	---	---	---	8
9	---	---	0B	0.089	0.138	0.006	0	---	---	---	---	---	9
10	---	---	0B	0.054	0.048	0.005	0	---	---	---	---	---	10
11	---	---	0B	0.032	0.021	0.010	0	---	---	---	---	---	11
12	---	---	0B	0.054	0.032	0.005	0	---	---	---	---	---	12
13	---	---	0B	0.034	0.091	0.006	0.001	---	---	---	---	---	13
14	---	---	0B	0.018	0.041	0.007	0	---	---	---	---	---	14
15	---	---	0B	0.008	0.041	0.007	0	---	---	---	---	---	15
16	---	---	0B	0.007	0.031	0.007	0	---	---	---	---	---	16
17	---	---	0B	0.008	0.018	0.005	0	---	---	---	---	---	17
18	---	---	0B	0.005	0.023	0.004	0	---	---	---	---	---	18
19	---	---	0B	0.004	0.028	0.003	0	---	---	---	---	---	19
20	---	---	0B	0.004	0.021	0.002	0	---	---	---	---	---	20
21	---	---	0B	0.004	0.014	0.001	0	---	---	---	---	---	21
22	---	---	0B	0.004	0.011	0	0	---	---	---	---	---	22
23	---	---	0B	0.004	0.008	0.001	0	---	---	---	---	---	23
24	---	---	0B	0.004	0.008	0	0	---	---	---	---	---	24
25	---	---	0B	0.003	0.007	0	0	---	---	---	---	---	25
26	---	---	0B	0.004	0.007	0	0	---	---	---	---	---	26
27	---	---	0B	0.003	0.007	0	0	---	---	---	---	---	27
28	---	---	0B	0.003	0.007	0	0	---	---	---	---	---	28
29	---	---	0B	0.003	0.008	0	0	---	---	---	---	---	29
30	---		0B	0.005	0.010	0	0	---	---	---	---	---	30
31	---		0B		0.008		0	---		---		---	31
TOTAL	---	---	0	2.543	1.871	0.130	0.005	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.085	0.060	0.004	0	---	---	---	---	---	MEAN
MAX	---	---	0	0.590	0.418	0.011	0.001	---	---	---	---	---	MAX
MIN	---	---	0	0.003	0.008	0	0	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.037
MAXIMUM DAILY, 0.590E ON APR 6
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 18 30 N
LONG 101 00 55 W
DRAINAGE AREA, 382 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.43
FEB	---	AUG	---
MAR	0	SEP	---
APR	220	OCT	---
MAY	162	NOV	---
JUN	11.2	DEC	---

TOTAL DISCHARGE, 393 dam³

MOOSE LAKE NEAR SPRAGUE - STATION NO. 05PD802

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	348.888E	348.648	348.644E	348.588E	---	---	---	1
2	---	---	---	---	---	348.878E	348.648E	348.638	348.648	---	---	---	2
3	---	---	---	---	---	348.888	348.648	348.632E	348.634E	---	---	---	3
4	---	---	---	---	---	348.888E	348.648E	348.628E	348.618	---	---	---	4
5	---	---	---	---	---	348.888	348.648	348.618	348.618E	---	---	---	5
6	---	---	---	---	---	348.888E	348.588E	348.618E	348.618	---	---	---	6
7	---	---	---	348.788	---	348.888	348.628E	348.618	348.618E	---	---	---	7
8	---	---	---	---	---	348.881E	348.688	348.618E	348.618E	---	---	---	8
9	---	---	---	---	---	348.888E	348.688E	348.618	348.618	---	---	---	9
10	---	---	---	---	---	348.848	348.688	348.612E	348.608E	---	---	---	10
11	---	---	---	---	348.718	348.833E	348.688E	348.608E	348.488	---	---	---	11
12	---	---	---	---	348.718E	348.818	348.688	348.588	348.488E	---	---	---	12
13	---	---	---	---	348.718	348.808E	348.688E	348.584E	348.488	---	---	---	13
14	---	---	---	---	348.718E	348.888	348.688E	348.588	348.808E	---	---	---	14
15	---	---	---	348.784	348.718	348.808E	348.688	348.588E	348.512E	---	---	---	15
16	---	---	---	---	348.718E	348.802E	348.688E	348.588	348.818	---	---	---	16
17	---	---	---	---	348.718	348.804E	348.648	348.588E	348.527E	---	---	---	17
18	---	---	348.704	---	348.711E	348.808E	348.648E	348.588E	348.534E	---	---	---	18
19	---	---	---	---	348.704E	348.808	348.648	348.588	348.542E	---	---	---	19
20	---	---	---	---	348.697E	348.888E	348.648E	348.588E	348.548	---	---	---	20
21	---	---	---	---	348.688E	348.588	348.648E	348.588	348.548E	348.478	---	---	21
22	---	---	---	348.748	348.682E	348.881E	348.648	348.588E	348.548E	---	---	---	22
23	---	---	---	---	348.675E	348.888E	348.648E	348.588	348.548	---	---	---	23
24	---	---	---	---	348.668	348.848	348.648	348.588E	---	---	---	---	24
25	---	---	---	---	348.668E	348.848E	348.648E	348.588E	---	---	---	---	25
26	---	---	---	---	348.888E	348.548	348.648	348.588	---	---	---	---	26
27	---	---	---	---	348.888	348.852E	348.648E	348.588E	---	---	---	---	27
28	---	---	---	---	348.883E	348.867E	348.648E	348.548	---	---	---	---	28
29	---	---	---	---	348.888	348.861E	348.648	348.548E	---	---	---	---	29
30	---		---	---	348.888E	348.888	348.648E	348.548	---	---	---	---	30
31	---		---		348.888		348.648	348.548E		---		---	31
MEAN	---	---	---	---	---	348.810	348.638	348.587	---	---	---	---	MEAN
MAX	---	---	---	---	---	348.888	348.888	348.644	---	---	---	---	MAX
MIN	---	---	---	---	---	348.848	348.648	348.848	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 11 52 N
LONG 98 20 14 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1957

DRAINAGE AREA,
24.3 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MORRIS RIVER NEAR ROSENORT - STATION NO. 05OF020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0708	1.08 B	0.107	0.207	0	0	0	0	---	---	1
2	---	---	0.0848	3.88 B	0.111	0.183	0	0	0	0	---	---	2
3	---	---	0.0508	4.77 B	0.186	0.182	0	0	0	0	---	---	3
4	---	---	0.1238	5.72 B	0.168	0.182	0	0	0	0	---	---	4
5	---	---	0.2808	13.8 B	0.091	0.183	0	0	0	0	---	---	5
6	---	---	0.4218	13.1 B	0.154	0.148	0	0	0	0	---	---	6
7	---	---	0.4628	11.8	0.252	0.131	0	0	0	0	---	---	7
8	---	---	0.4888	11.1	0.272	0.116	0	0	0	0	---	---	8
9	---	---	0.4218	8.63	0.267	0.108	0	0	0	0	---	---	9
10	---	---	0.3148	8.88	0.278	0.098	0	0A	0	0	---	---	10
11	---	---	0.3888	8.43	1.33	0.088	0	0	0	0	---	---	11
12	---	---	0.3348	4.60	2.88 A	0.073	0	0	0	0	---	---	12
13	---	---	0.2898	2.82	3.83	0.081	0	0	0	0	---	---	13
14	---	---	0.2018	1.82	3.06	0.087	0	0	0	0	---	---	14
15	---	---	0.1898	1.31	2.88	0.088	0	0	0	0	---	---	15
16	---	---	0.1788	0.810	2.28	0.084	0	0	0	0	---	---	16
17	---	---	0.1738	0.642	1.78	0.048	0	0	0	0	---	---	17
18	---	---	0.1548	0.434	1.38	0.084	0	0A	0	0	---	---	18
19	---	---	0.1448	0.427	1.13	0.084	0	0	0	0	---	---	19
20	---	---	0.1408	0.388	0.922	0.080	0	0	0	0	---	---	20
21	---	---	0.1408	0.335	0.788	0.048	0	0	0	0	---	---	21
22	---	---	0.1488	0.320	0.881	0.040	0	0	0	0	---	---	22
23	---	---	0.1878	0.317	0.884	0.028	0	0	0	0	---	---	23
24	---	---	0.2418	0.318	0.478	0.018	0	0	0	0	---	---	24
25	---	---	0.1988	0.324	0.442	0.008	0	0A	0	0	---	---	25
26	---	---	0.2898	0.288	0.380	0.001	0	0	0	0	---	---	26
27	---	---	0.3618	0.280	0.303	0	0	0	0	0	---	---	27
28	---	---	0.2448	0.282	0.238	0	0	0	0	0	---	---	28
29	---	---	0.2178	0.244	0.238	0	0	0	0	0	---	---	29
30	---		0.2088	0.138	0.214	0	0	0	0	0	---	---	30
31	---		0.2488		0.202		0	0		0		---	31
TOTAL	---	---	7.333	103.890	26.848	2.236	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.237	3.48	0.888	0.078	0	0	0	0	---	---	MEAN
MAX	---	---	0.488	13.1	3.08	0.207	0	0	0	0	---	---	MAX
MIN	---	---	0.080	0.138	0.081	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.873
MAXIMUM DAILY, 13.1B ON APR 6
MINIMUM DAILY, 0 ON JUN 27
MAXIMUM INSTANTANEOUS,
14.1B AT 01:30 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 22 N
LONG 97 26 61 W
DRAINAGE AREA, 2 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	634	SEP	0
APR	8 980	OCT	0
MAY	2 330	NOV	---
JUN	193	DEC	---

TOTAL DISCHARGE, 12 100 dam³

MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE - STATION NO. 05LJ025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.83 B	0.041B	0.098B	0.187B	1.72	23.6	18.6	0.162	0.134	0.194	0.185	0.338	1
2	3.82 B	0.044B	0.093B	0.127B	0.773	24.1	18.3	0.128	0.116	0.172	0.185	0.344	2
3	3.78 B	0.058B	0.107B	0.343B	0.032	24.8	17.7	0.103	0.100	0.158	0.187	0.351	3
4	3.70 B	0.068B	0.111B	0.025B	0.038	25.8	16.2	0.118	0.094	0.176	0.182	0.356	4
5	3.68 B	0.075B	0.117B	0.035B	0.807	25.6	16.4	0.118	0.104	0.193	0.189	0.362	5
6	3.66 B	0.078B	0.126B	1.58 B	1.76	25.2	16.6	0.089	0.188	0.205	0.178	0.382	6
7	3.63 B	0.080B	0.127B	1.35 B	3.38	22.6	8.98	0.107	0.132	0.204	0.178	0.388	7
8	3.63 B	0.084B	0.134B	0.884	3.01	24.4	2.58	0.162	0.080	0.213	0.172	0.384	8
9	3.59 B	0.088B	0.137B	0.690	12.0	25.9	1.87	0.182	0.110	0.200	0.189	0.381	9
10	3.83 B	0.084B	0.144B	0.873	21.8	21.9	1.76	0.228	0.138	0.194	0.155	0.3888	10
11	3.81 B	0.103B	0.124B	0.625	22.1	22.5	1.87	0.221A	0.148	0.194	0.178	0.3778	11
12	3.83 B	0.117B	0.118B	0.575	16.8	21.4	2.52	0.194	0.126	0.237	0.184	0.3728	12
13	3.86 B	0.108B	0.127B	0.536	22.9	20.7	1.88	0.234	0.154	0.227	0.181	0.3628	13
14	3.86 B	0.103B	0.145B	0.484	23.0	20.8	1.79	0.284	0.182	0.209	0.182	0.3488	14
15	3.77 B	0.114B	0.144B	0.443	19.0	20.1	1.87	0.295	0.200	0.205	0.184	0.3788	15
16	3.82 B	0.114B	0.144B	0.388	24.2	22.7	1.88	0.288	0.201	0.202	0.177	0.4048	16
17	3.38 B	0.091B	0.142B	0.388	28.5	22.2	1.88	0.388	0.183	0.203	0.178	0.4118	17
18	3.33 B	0.084B	0.154B	0.343	23.9	22.4	1.58	0.314	0.145	0.194	0.184	0.4018	18
19	3.28 B	0.080B	0.148B	0.318	24.5	19.1	1.18	0.348	0.137	0.195	0.188	0.3748	19
20	1.70 B	0.087B	0.142B	0.312	24.9	21.4	0.813	0.383	0.144	0.194	0.188	0.3808	20
21	0.087B	0.077B	0.148B	0.301	25.0	16.9	0.724	3.10 A	0.183	0.186	0.192	0.3588	21
22	0.008B	0.078B	0.150B	0.283	25.0	20.1	0.441A	0.528A	0.167	2.38	0.194	0.3548	22
23	0.008B	0.070B	0.176B	0.285	24.8	23.7	0.145A	0.085	0.172	0.318	0.222	0.3598	23
24	0.004B	0.089B	0.140B	0.263	28.1	17.2	0.108	0.120	0.188	0.173	0.323	0.3678	24
25	0.008B	0.118B	0.140B	0.288	25.1	19.0	0.103	0.131	0.180	0.133	0.326	0.3718	25
26	0.002B	0.119B	0.150B	0.240	24.8	21.0	0.108	0.148	0.178	0.148	0.327	0.3528	26
27	0.004B	0.112B	0.173B	0.228	24.7	21.7	0.106	0.103	0.181	0.188	0.322	0.3408	27
28	0.005B	0.107B	0.158B	0.225	25.8	20.0	0.151	0.124	0.208	0.142	0.320	0.3438	28
29	0.037B	0.106B	c.138B	0.242	24.8	22.7	0.188	0.180	0.212	0.148	0.324	0.3588	29
30	0.034B		0.141B	0.834	26.3	20.2	0.158	0.188	0.188	0.180	0.331	0.3408	30
31	0.038B		0.162B		28.1		0.174	0.156		0.188		0.3238	31
TOTAL	70.942	2.581	4.248	13.338	555.528	651.0	137.907	8.124	4.810	6.038	6.383	11.261	TOTAL
MEAN	2.29	0.088	0.137	0.441	17.9	22.0	4.44	0.284	0.184	0.288	0.213	0.383	MEAN
MAX	3.83	0.119	0.178	1.58	28.1	25.9	18.6	3.10	0.213	2.38	0.331	0.411	MAX
MIN	0.002	0.041	0.093	0.025	0.032	17.2	0.103	0.088	0.080	0.133	0.185	0.323	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.06
MAXIMUM DAILY, 28.1 ON MAY 24
MINIMUM DAILY, 0.0028 ON JAN 28
MAXIMUM INSTANTANEOUS,
31.9 AT 00:27 CST ON MAY 25

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 27 00 N
LONG 99 58 00 W
DRAINAGE AREA, 8 710 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 130	JUL	11 800
FEB	223	AUG	788
MAR	367	SEP	398
APR	1 140	OCT	884
MAY	48 000	NOV	851
JUN	57 100	DEC	972

TOTAL DISCHARGE, 128 000 dam³

MOWBRAY CREEK NEAR MOWBRAY - STATION NO. 05OB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0 B	0.285B	0.018	0	0	0	0	0	0	0B	1
2	0B	0 B	0 B	0.578B	0.011	0	0	0	0	0	0	0B	2
3	0B	0 B	0 B	1.11 B	0.007	0	0	0	0	0	0	0B	3
4	0B	0 B	0 B	0.963B	0.003	0	0	0	0	0	0	0B	4
5	0B	0 B	0.005B	0.888B	0	0	0	0	0	0	0	0B	5
6	0B	0 B	0.027B	0.834B	0	0	0	0	0	0	0	0B	6
7	0B	0 B	0.001B	0.482	0.004	0	0	0	0	0	0	0B	7
8	0B	0 B	0.001B	0.384	0.003	0	0	0	0	0	0	0B	8
9	0B	0 B	0.001B	0.210	0	0	0	0	0	0	0	0B	9
10	0B	0 B	0.032B	0.145	0	0	0	0	0	0	0	0B	10
11	0B	0 B	0.018B	0.121	0	0	0	0	0	0	0	0B	11
12	0B	0 B	0.028B	0.098	0	0	0	0	0	0	0	0B	12
13	0B	0 B	0.030B	0.076	0	0	0	0	0	0	0	0B	13
14	0B	0 B	0.001B	0.068	0	0	0	0	0	0	0	0B	14
15	0B	0 B	0.001B	0.070	0	0	0	0	0	0	0	0B	15
16	0B	0 B	0.001B	0.074	0	0	0	0	0	0	0B	0B	16
17	0B	0 B	0.004B	0.070	0	0	0	0	0	0	0B	0B	17
18	0B	0 B	0.004B	0.066	0	0	0	0	0	0	0B	0B	18
19	0B	0 B	0.004B	0.062	0	0	0	0	0	0	0B	0B	19
20	0B	0 B	0.023B	0.054	0	0	0	0	0	0	0B	0B	20
21	0B	0 B	0.020B	0.072	0	0	0	0	0	0	0B	0B	21
22	0B	0 B	0.031B	0.134	0	0	0	0	0	0	0B	0B	22
23	0B	0 B	0.130B	0.119	0	0	0	0	0	0	0B	0B	23
24	0B	0 B	0.230B	0.088	0	0	0	0	0	0	0B	0B	24
25	0B	0 B	0.084B	0.082	0	0	0	0	0	0	0B	0B	25
26	0B	0 B	0.058B	0.050	0	0	0	0	0	0	0B	0B	26
27	0B	0 B	0.073B	0.038	0	0	0	0	0	0	0B	0B	27
28	0B	0.042B	0.068B	0.032	0	0	0	0	0	0	0B	0B	28
29	0B	0.040B	0.128B	0.028	0	0	0	0	0	0	0B	0B	29
30	0B		0.129B	0.018	0	0	0	0	0	0	0B	0B	30
31	0B		0.140B		0		0	0		0	0B	0B	31
TOTAL	0	0.082	1.818	8.877	0.044	0	0	0	0	0	0	0	TOTAL
MEAN	0	0.003	0.048	0.228	0.001	0	0	0	0	0	0	0	MEAN
MAX	0	0.042	0.230	1.11	0.018	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0.018	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.023
MAXIMUM DAILY, 1.11B ON APR 3
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
1.58B AT 14:51 CST ON APR 3

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 96 27 15 W
DRAINAGE AREA, 281 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	7.08	AUG	0
MAR	131	SEP	0
APR	594	OCT	0
MAY	3.80	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 736 dam³

NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS - STATION NO. 05UB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1188	1088	1288	1588	2158	380	383	308	330	235	164	1488	1
2	1188	1088	1288	1508	2198	338	383	280	308	213	219	1488	2
3	1158	1098	1278	1618	2238	355	386	295	348	181	195	1348	3
4	1148	1088	1278	1638	2288	354	326	313	330	181	184	1388	4
5	1148	1108	1288	1848	2318	380	308	337	233	248	1888	1408	5
6	1138	1108	1288	1888	2378	380	322	313	278	283	1878	1388	6
7	1128	1108	1308	1878	2428	389	389	318	344	230	1878	1288	7
8	1128	1118	1318	1888	2808	398	385	292	413	248	1878	1338	8
9	1118	1118	1328	1708	2578	345	333	331	284	282	1888	1338	9
10	1108	1128	1338	1718	288	385	389	332	228	189	1898	1328	10
11	1108	1128	1348	1728	304	388	283	282	218	181	1888	1338	11
12	1108	1138	1388	1748	294	331	314	284	238	208	1818	1348	12
13	1108	1138	1388	1788	281	322	308	296	248	285	1488	1318	13
14	1098	1148	1378	1778	287	316	300	289	237	254	1398	1288	14
15	1088	1148	1388	1798	222	311	332	317	287	285	1318	1288	15
16	1088	1158	1398	1818	282	342	333	289	289	208	1238	1298	16
17	1088	1168	1408	1838	322	388	338	237	253	192	1188	1278	17
18	1088	1178	1418	1858	381	383	331	273	187	204	1188	1278	18
19	1088	1178	1428	1878	328	371	330	284	153	202	1258	1328	19
20	1088	1188	1438	1888	322	340	317	282	148	232	1338	1208	20
21	1078	1198	1448	1818	330	334	332	278	183	184	1388	1208	21
22	1078	1198	1488	1838	332	282	347	357	281	214	1408	1188	22
23	1078	1188	1478	1858	288	302	388	325	214	198	1418	1188	23
24	1078	1208	1488	1878	288	333	322	282	228	138 E	1428	1188	24
25	1078	1218	1498	1888	380	308	323	218	214	108 E	1438	1208	25
26	1078	1228	1518	2038	343	321	338	230	220	108 E	1428	1208	26
27	1088	1238	1528	2048	326	331	338	183	234	122 E	1418	1188	27
28	1088	1238	1538	2078	310	317	338	188	280	98.0E	1418	1188	28
29	1088	1248	1548	2108	332	338	318	214	301	111 E	1418	1188	29
30	1088		1588	2138	272	355	288	273	302	141 E	1438	1148	30
31	1088		1578		324		322	318		155		1148	31
TOTAL	3 403	3 339	4 330	5 483	8 804	10 014	10 207	8 793	7 528	5 950.0	4 488	3 947	TOTAL
MEAN	110	118	140	183	287	334	329	284	251	192	150	127	MEAN
MAX	118	124	187	213	381	371	388	357	413	285	219	148	MAX
MIN	107	108	128	188	218	288	288	188	148	98.0	118	114	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 208
MAXIMUM DAILY, 413 ON SEP 8
MINIMUM DAILY, 98.0E ON OCT 26
MAXIMUM INSTANTANEOUS,
438 AT 18:24 CST ON SEP 8

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 14 39 N
LONG 97 35 27 W

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	284 000	JUL	882 000
FEB	288 000	AUG	780 000
MAR	374 000	SEP	850 000
APR	472 000	OCT	814 000
MAY	788 000	NOV	388 000
JUN	885 000	DEC	341 000

TOTAL DISCHARGE, 6 800 000 dam³

REMARKS - SYMBOL "E" USED IN OCT. MEANS LOW END OF STAGE DISCHARGE RELATIONSHIP IS POORLY DEFINED

NELSON RIVER (WEST CHANNEL) AT JENPEG - STATION NO. 05UB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 800	1 510	1 340	838	808	511	487	453	448	528	1 380	1 380	1
2	1 800	1 480	1 340	841	803	512	488	455	488	587	1 380	1 380	2
3	1 800	1 490	1 330	838	751	505	444	465	532	538	1 380	1 380	3
4	1 800	1 480	1 340	842	723	511	483	484	547	582	1 380	1 380	4
5	1 800	1 490	1 340	838	718	512	481	488	538	581	1 380	1 380	5
6	1 880	1 480	1 340	837	732	498	478	484	483	578	1 380	1 380	6
7	1 800	1 480	1 270	845	723	518	440	472	484	577	1 380	1 380	7
8	1 800	1 480	1 240	845	717	483	438	482	443	574	1 380	1 380	8
9	1 800	1 480	1 240	843	728	494	441	488	488	578	1 380	1 380	9
10	1 800	1 480	1 230	843	732	501	484	482	557	734	1 380	1 380	10
11	1 800	1 480	1 240	835	731	481	488	483	542	883	1 380	1 380	11
12	1 800	1 440	1 230	838	730	485	487	488	510	881	1 380	1 380	12
13	1 800	1 420	1 230	835	731	421	471	488	512	850	1 380	1 380	13
14	1 800	1 420	1 140	838	732	438	488	487	510	881	1 380	1 380	14
15	1 800	1 370	1 100	831	724	488	471	488	478	850	1 380	1 380	15
16	1 800	1 350	1 080	832	885	447	488	481	488	881	1 380	1 380	16
17	1 800	1 350	1 100	832	834	418	489	505	531	1 000	1 380	1 380	17
18	1 820	1 350	1 100	820	834	402	488	488	543	1 000	1 380	1 380	18
19	1 830	1 340	1 080	816	834	410	482	478	581	1 010	1 380	1 320	19
20	1 830	1 350	1 100	813	838	417	487	478	584	1 010	1 410	1 300	20
21	1 830	1 350	1 000	818	833	434	483	482	541	1 010	1 380	1 300	21
22	1 830	1 350	888	817	838	488	481	500	513	898	1 380	1 300	22
23	1 830	1 350	854	817	828	488	483	458	528	1 010	1 380	1 300	23
24	1 830	1 350	854	814	832	484	487	493	550	1 080	1 380	1 310	24
25	1 830	1 350	888	808	822	487	488	517	542	1 140	1 380	1 300	25
26	1 830	1 340	888	808	827	488	481	510	518	1 150	1 380	1 300	26
27	1 840	1 340	884	808	828	485	481	527	518	1 140	1 380	1 300	27
28	1 830	1 340	878	808	822	440	482	532	508	1 280	1 380	1 300	28
29	1 590	1 340	848	807	824	427	448	522	472	1 370	1 380	1 310	29
30	1 570		848	807	845	448	450	485	477	1 350	1 380	1 310	30
31	1 570		838		803		453	482		1 380		1 300	31
TOTAL	48 850	40 880	34 884	24 800	20 988	13 974	14 288	14 983	15 378	28 905	40 840	41 430	TOTAL
MEAN	1 810	1 410	1 110	827	678	488	480	480	513	923	1 380	1 340	MEAN
MAX	1 840	1 510	1 340	845	808	518	488	532	584	1 370	1 410	1 380	MAX
MIN	1 570	1 340	838	805	808	402	435	482	443	838	1 380	1 300	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 830
MAXIMUM DAILY, 1 840 ON JAN 27
MINIMUM DAILY, 402 ON JUN 18

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 54 28 53 N
LONG 98 02 53 W

REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 310 000	JUL	1 230 000
FEB	3 630 000	AUG	1 200 000
MAR	2 880 000	SEP	1 330 000
APR	2 140 000	OCT	2 470 000
MAY	1 810 000	NOV	3 520 000
JUN	1 210 000	DEC	3 880 000

TOTAL DISCHARGE, 28 480 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

NELSON RIVER ABOVE BLADDER RAPIDS - STATION NO. 05UD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 850B	1 880B	1 800B	1 240B	1 210B	1 080	779	787	721	748	1 380	1 800B	1
2	1 840B	1 880B	1 890B	1 220B	1 240B	1 070	781	788	730	783	1 410	1 800B	2
3	1 840B	1 840B	1 880B	1 210B	1 280B	1 080	787	783	744	778	1 430	1 800B	3
4	1 830B	1 840B	1 880B	1 200B	1 270B	1 030	787	788	744	804	1 470	1 880B	4
5	1 830B	1 810B	1 870B	1 180B	1 270B	1 020	788	788	789	814	1 480	1 880B	5
6	1 820B	1 780B	1 880B	1 170B	1 270	1 020	782	781	781	822	1 480	1 840B	6
7	1 820B	1 750B	1 880B	1 160B	1 280	1 080	800	783	740	842	1 810	1 870B	7
8	1 820B	1 710B	1 880B	1 150B	1 280	1 030	788	787	738	880	1 820	1 870B	8
9	1 820B	1 880B	1 880B	1 150B	1 280	972	778	784	788	889	1 840	1 870B	9
10	1 820B	1 810B	1 840B	1 140B	1 300	940	784	748	787	888	1 880	1 870B	10
11	1 820B	1 880B	1 840B	1 140B	1 300	938	782	783	788	923	1 880	1 870B	11
12	1 820B	1 880B	1 840B	1 130B	1 300	950	778	782	784	941	1 880B	1 880B	12
13	1 820B	1 840B	1 820B	1 130B	1 300	936	788	780	781	945	1 880B	1 880B	13
14	1 820B	1 820B	1 820B	1 130B	1 300	903	781	782	785	972	1 880B	1 880B	14
15	1 820B	1 800B	1 820B	1 130B	1 320	880	781	786	783	987	1 880B	1 880B	15
16	1 820B	1 900B	1 810B	1 130B	1 270	884	783	747	740	1 010	1 880B	1 880B	16
17	1 820B	1 810B	1 800B	1 130B	1 230	837	783	787	748	1 040	1 880B	1 880B	17
18	1 820B	1 820B	1 490B	1 130B	1 210	842	787	786	771	1 070	1 880B	1 870B	18
19	1 820B	1 840B	1 470B	1 130B	1 220	834	783	748	771	1 080	1 870B	1 870B	19
20	1 820B	1 850B	1 480B	1 130B	1 220	831	788	743	778	1 110	1 870B	1 870B	20
21	1 820B	1 870B	1 440B	1 130B	1 200	821	785	746	772	1 150	1 870B	1 870B	21
22	1 830B	1 890B	1 420B	1 130B	1 170	820	784	781	788	1 180	1 870B	1 880B	22
23	1 830B	1 810B	1 380B	1 130B	1 170	818	782	781	748	1 170	1 870B	1 880B	23
24	1 840B	1 820B	1 370B	1 130B	1 170	808	788A	784	782	1 170	1 880B	1 880B	24
25	1 850B	1 830B	1 350B	1 140B	1 140	809	787E	771	783	1 200	1 880B	1 880B	25
26	1 850B	1 830B	1 340B	1 140B	1 130	807	785E	781	780	1 230	1 880B	1 880B	26
27	1 880B	1 820B	1 320B	1 150B	1 140	784	784E	784	747	1 240	1 880B	1 880B	27
28	1 880B	1 810B	1 300B	1 150B	1 150	786	784E	758	747	1 270	1 880B	1 840B	28
29	1 880B	1 800B	1 280B	1 170B	1 130	788	785A	752	748	1 310	1 800B	1 840B	29
30	1 880B		1 280B	1 180B	1 150	782	784	738	732	1 340	1 800B	1 840B	30
31	1 880B		1 280B		1 130		774	723		1 370		1 830B	31
TOTAL	58 810	47 520	46 490	34 580	36 020	27 137	24 341	23 430	22 840	31 888	48 220	48 880	TOTAL
MEAN	1 830	1 840	1 470	1 150	1 230	905	785	756	755	1 030	1 840	1 870	MEAN
MAX	1 880	1 880	1 800	1 240	1 330	1 080	800	771	784	1 370	1 800	1 880	MAX
MIN	1 820	1 800	1 280	1 130	1 130	783	768	723	731	748	1 380	1 830	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 220
MAXIMUM DAILY, 1 880B ON JAN 27
MINIMUM DAILY, 721 ON SEP 1

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 30 N
LONG 97 55 50 W
DRAINAGE AREA, 1 000 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 810 000	JUL	2 100 000
FEB	4 110 000	AUG	2 020 000
MAR	3 830 000	SEP	1 880 000
APR	2 890 000	OCT	2 760 000
MAY	3 280 000	NOV	3 880 000
JUN	2 340 000	DEC	4 200 000

TOTAL DISCHARGE, 38 800 000 dam³

NELSON RIVER AT KELSEY GENERATING STATION - STATION NO. 05UE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 720	1 880	1 880	1 280	1 200	1 220	842	788	877	848	1 220	1 410	1
2	1 720	1 870	1 830	1 180	1 370	1 260	818	781	887	705	1 180	1 400	2
3	1 880	1 870	1 810	1 080	1 420	1 280	780	786	897	848	1 180	1 340	3
4	1 880	1 870	1 800	1 120	1 480	1 230	788	732	858	818	1 130	1 280	4
5	1 850	1 870	1 840	1 210	1 480	1 170	742	781	718	848	1 230	1 440	5
6	1 880	1 870	1 840	1 180	1 480	1 150	788	884	748	812	1 330	1 280	6
7	1 840	1 870	1 820	1 080	1 230	1 080	883	882	728	711	1 280	1 440	7
8	1 850	1 830	1 830	1 080	1 430	1 080	888	782	877	738	1 380	1 480	8
9	1 850	1 810	1 800	1 070	1 470	1 200	717	707	829	747	1 380	1 410	9
10	1 850	1 810	1 480	1 110	1 410	1 200	781	730	788	888	1 380	1 400	10
11	1 800	1 810	1 480	1 120	1 440	1 070	772	870	878	758	1 280	1 380	11
12	1 810	1 810	1 480	1 170	1 480	893	777	880	788	818	1 240	1 380	12
13	1 800	1 880	1 490	1 180	1 420	1 130	881	782	728	782	1 310	1 400	13
14	1 800	1 810	1 810	1 110	1 480	1 100	703	788	718	812	1 380	1 400	14
15	1 880	1 800	1 470	1 110	1 400	1 080	710	778	740	803	1 330	1 400	15
16	1 840	1 810	1 810	1 040	1 480	1 100	825	781	818	840	1 320	1 310	16
17	1 840	1 870	1 480	1 040	1 440	878	788	774	838	843	1 380	1 330	17
18	1 880	1 880	1 480	1 100	1 440	918	830	891	878	841	1 370	1 310	18
19	1 880	1 880	1 480	1 080	1 480	824	778	804	868	888	1 380	1 310	19
20	1 880	1 880	1 480	1 040	1 380	844	788	888	780	830	1 380	1 340	20
21	1 800	1 880	1 420	1 080	1 400	988	718	812	801	808	1 370	1 330	21
22	1 810	1 880	1 410	1 040	1 370	801	808	804	784	1 020	1 380	1 310	22
23	1 810	1 880	1 380	1 080	1 280	847	743	888	770	1 020	1 410	1 340	23
24	1 820	1 880	1 320	1 080	1 280	808	782	788	818	1 080	1 480	1 340	24
25	1 840	1 880	1 280	1 070	1 280	826	788	812	770	1 080	1 480	1 380	25
26	1 880	1 880	1 280	1 180	1 320	847	782	733	882	1 080	1 480	1 380	26
27	1 840	1 880	1 280	1 070	1 310	884	788	872	787	1 010	1 420	1 310	27
28	1 840	1 880	1 280	1 040	1 310	840	720	842	731	1 030	1 380	1 380	28
29	1 840	1 830	1 280	1 180	1 180	732	783	747	787	1 110	1 310	1 380	29
30	1 840		1 280	1 230	1 080	787	738	877	818	1 140	1 420	1 410	30
31	1 840		1 280		1 210		748	881		1 080		1 300	31
TOTAL	50 470	48 280	44 310	33 180	42 180	30 187	23 888	32 881	21 888	27 888	38 870	42 470	TOTAL
MEAN	1 830	1 800	1 430	1 110	1 380	1 010	771	727	730	880	1 330	1 370	MEAN
MAX	1 720	1 870	1 880	1 280	1 480	1 280	888	881	877	1 140	1 480	1 480	MAX
MIN	1 840	1 830	1 280	1 040	1 080	840	881	808	887	848	1 130	1 300	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 180
MAXIMUM DAILY, 1 720 ON JAN 1
MINIMUM DAILY, 887 ON SEP 3

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 56 02 20 N
LONG 98 31 20 W
DRAINAGE AREA, 1 010 000 km²

REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 380 000	JUL	2 080 000
FEB	4 000 000	AUG	1 880 000
MAR	3 830 000	SEP	1 880 000
APR	2 870 000	OCT	2 380 000
MAY	3 840 000	NOV	3 480 000
JUN	2 810 000	DEC	3 870 000

TOTAL DISCHARGE, 38 700 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

NELSON RIVER AT KETTLE GENERATING STATION - STATION NO. 05UF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 820	3 380	2 700	1 680	848	3 280	730	1 840	2 000	1 220	1 840	2 330	1
2	2 610	3 480	2 670	1 770	2 480	2 820	870	1 880	2 390	1 010	1 820	2 280	2
3	3 200	3 370	3 020	1 240	2 680	2 830	1 030	1 880	1 880	1 940	1 710	2 080	3
4	3 740	3 280	2 630	2 080	2 480	2 200	1 680	1 300	974	1 870	1 680	1 870	4
5	3 770	3 430	2 310	2 220	2 180	2 800	2 890	1 820	926	1 850	1 230	2 310	5
6	3 680	2 720	2 080	1 870	2 340	3 210	2 700	1 370	1 790	1 380	1 140	2 840	6
7	3 090	1 840	2 770	2 220	1 820	3 200	2 370	1 080	1 880	1 480	1 780	2 700	7
8	3 270	2 840	2 540	2 140	1 750	2 280	1 980	1 770	1 730	781	1 870	3 820	8
9	2 370	2 880	2 880	1 810	2 340	1 930	1 080	1 680	2 080	701	2 200	3 180	9
10	1 830	3 080	3 000	1 480	2 880	2 180	742	2 280	1 810	1 080	2 890	2 800	10
11	2 880	3 880	3 200	2 120	3 120	1 730	1 420	2 840	1 880	1 840	2 370	2 410	11
12	2 880	3 130	3 210	1 880	3 200	1 480	1 840	2 720	2 280	2 020	2 010	2 440	12
13	3 180	2 080	2 870	2 140	3 720	2 400	2 870	1 330	2 140	1 820	2 210	1 800	13
14	2 810	1 880	3 380	2 280	3 380	2 270	3 380	1 480	2 230	1 880	2 880	2 480	14
15	2 380	2 820	3 220	2 110	3 820	1 870	2 870	2 880	2 020	1 880	2 880	2 800	15
16	1 470	2 330	2 840	1 800	3 700	1 830	1 180	2 880	2 000	1 820	2 830	2 880	16
17	1 480	2 180	2 880	1 800	3 400	2 080	773	2 220	1 750	2 280	2 870	3 070	17
18	2 340	2 180	3 130	2 400	3 480	2 370	1 840	1 280	1 170	2 220	2 130	1 240	18
19	2 880	2 830	2 810	2 430	3 480	1 720	1 480	1 080	2 820	2 300	1 780	1 880	19
20	2 840	3 800	2 820	2 480	3 410	3 030	1 880	718	2 280	2 080	1 480	2 180	20
21	2 880	3 180	2 880	2 330	3 180	2 880	2 100	776	2 120	2 820	2 320	2 130	21
22	3 400	3 480	2 410	1 800	2 430	2 780	2 280	1 380	2 480	2 110	2 810	1 830	22
23	2 400	2 870	2 170	1 480	3 070	1 880	1 200	1 020	2 180	1 840	2 840	1 880	23
24	2 200	3 380	2 480	1 370	2 820	2 300	820	888	1 220	2 880	1 880	2 120	24
25	3 380	2 830	2 700	2 370	3 000	1 880	2 210	1 020	838	2 870	3 340	2 110	25
26	3 280	2 100	2 320	2 370	3 130	927	2 320	1 330	1 800	1 780	2 180	2 320	26
27	2 780	2 080	1 780	2 120	3 180	1 830	2 830	824	1 840	2 340	1 830	2 380	27
28	2 880	1 880	2 880	2 100	3 440	1 820	2 880	1 030	1 870	2 480	2 830	2 760	28
29	2 800	2 710	2 840	1 830	2 330	1 380	1 880	1 850	2 080	2 100	2 220	2 710	29
30	2 330		2 880	882	3 140	1 220	1 870	1 840	1 880	1 220	2 280	2 220	30
31	2 170		2 520		3 870		1 280	2 040		2 080		1 820	31
TOTAL	83 900	80 540	84 280	58 012	88 228	68 087	55 315	48 825	55 596	58 482	63 400	71 380	TOTAL
MEAN	2 710	2 780	2 720	1 870	2 880	2 200	1 780	1 800	1 880	1 820	2 110	2 300	MEAN
MAX	3 770	3 880	3 380	2 480	3 820	3 280	2 890	2 880	2 820	2 880	2 880	3 180	MAX
MIN	1 470	1 840	1 780	882	848	827	730	718	926	701	1 140	1 240	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 220
MAXIMUM DAILY, 3 820 ON MAY 15
MINIMUM DAILY, 701 ON OCT 8

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 58 22 48 N
LONG 94 38 02 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 250 000	JUL	4 780 000
FEB	6 980 000	AUG	4 280 000
MAR	7 280 000	SEP	4 800 000
APR	5 100 000	OCT	4 880 000
MAY	7 820 000	NOV	5 480 000
JUN	5 710 000	DEC	6 170 000

TOTAL DISCHARGE, 70 300 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED SINCE 1970

REMARKS - FLOW CALCULATED FROM GENERATION AND SPILL TABLES

NELSON RIVER AT LONG SPRUCE GENERATING STATION - STATION NO. 05UF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 820	3 370	2 710	1 820	878	3 380	732	1 830	2 030	1 280	1 840	2 280	1
2	2 580	3 550	2 880	1 750	2 480	3 180	1 020	1 830	2 350	1 030	1 830	2 280	2
3	3 200	3 420	3 080	1 280	2 820	3 080	1 080	1 880	1 710	1 850	1 730	2 080	3
4	3 780	3 280	2 880	2 030	2 880	2 300	1 880	1 340	962	1 880	1 830	2 000	4
5	3 880	3 810	2 320	2 280	2 180	2 880	2 920	1 880	963	1 880	1 340	2 310	5
6	3 880	2 880	2 070	1 880	2 370	3 440	2 720	1 270	1 820	1 370	1 130	2 820	6
7	3 110	1 880	2 800	2 200	1 830	3 310	2 420	1 100	1 880	1 480	1 830	2 880	7
8	3 330	2 880	2 800	2 170	1 800	2 280	1 870	1 780	1 780	718	1 870	2 800	8
9	2 470	3 000	2 800	1 820	2 430	2 000	1 140	1 840	2 020	788	2 170	3 100	9
10	1 810	3 120	3 080	1 480	3 080	2 280	744	2 280	1 820	1 080	2 700	2 880	10
11	2 900	3 880	3 280	2 180	3 220	1 820	1 480	2 880	1 880	1 780	2 380	2 410	11
12	2 880	3 210	3 240	1 840	3 220	1 480	1 840	2 700	2 310	1 880	1 880	2 440	12
13	3 230	2 180	3 010	2 140	3 770	2 480	2 880	1 380	2 180	1 880	2 180	1 880	13
14	2 820	1 880	3 430	2 180	3 480	2 300	2 430	1 880	2 280	1 810	2 880	2 410	14
15	2 410	2 830	3 180	2 180	3 870	2 080	2 880	2 820	2 010	1 880	2 820	2 900	15
16	1 480	2 380	2 800	1 780	3 740	1 880	1 220	3 000	2 000	1 830	2 880	3 810	16
17	1 880	2 170	2 870	1 820	3 480	2 120	783	2 280	1 740	2 310	2 480	3 140	17
18	2 280	2 140	3 140	2 440	3 880	2 440	1 830	1 310	1 200	2 180	2 130	1 180	18
19	2 480	2 840	2 830	2 480	3 800	1 730	1 830	1 080	2 530	2 150	1 800	2 000	19
20	2 830	3 830	2 820	2 530	3 430	3 130	1 800	784	2 310	2 090	1 470	2 070	20
21	2 880	3 120	2 830	2 380	3 280	2 880	2 080	758	2 080	2 820	2 330	2 180	21
22	3 480	3 800	3 440	1 880	2 480	2 880	2 310	1 380	2 510	2 040	2 830	1 840	22
23	2 440	3 080	2 210	1 470	3 130	1 820	1 280	1 020	2 230	1 880	2 840	1 880	23
24	2 240	3 400	2 810	1 430	2 720	2 370	813	1 020	1 210	2 880	1 880	2 080	24
25	3 370	2 710	2 880	2 480	3 080	1 870	2 270	1 010	888	2 880	2 280	1 880	25
26	3 380	2 070	2 380	2 380	3 310	1 000	2 310	1 380	1 840	1 810	2 230	2 310	26
27	2 800	2 080	1 780	2 180	3 280	1 810	2 880	842	1 880	2 370	1 850	2 440	27
28	2 720	1 830	2 820	2 080	3 810	1 880	2 880	870	1 700	2 480	2 830	2 780	28
29	2 800	2 740	2 850	1 880	2 370	1 370	1 810	1 830	2 180	2 100	2 180	2 730	29
30	2 380		2 720	1 040	3 210	1 280	1 800	1 820	1 880	1 280	2 280	2 180	30
31	2 180		2 880		3 830		1 320	2 040		2 080		1 870	31
TOTAL	84 780	81 180	84 820	58 410	90 488	66 380	56 142	49 885	55 891	56 801	63 430	71 010	TOTAL
MEAN	2 730	2 800	2 740	1 880	2 820	2 280	1 810	1 810	1 870	1 820	2 110	2 280	MEAN
MAX	3 880	3 880	3 430	2 530	3 870	3 440	2 920	3 000	2 530	2 880	2 880	3 180	MAX
MIN	1 480	1 880	1 780	1 040	878	1 000	732	758	888	718	1 130	1 180	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 280
MAXIMUM DAILY, 3 870 ON MAY 15
MINIMUM DAILY, 718 ON OCT 8

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 58 23 51 N
LONG 94 22 10 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 320 000	JUL	4 850 000
FEB	7 010 000	AUG	4 310 000
MAR	7 330 000	SEP	4 840 000
APR	5 130 000	OCT	4 880 000
MAY	7 820 000	NOV	5 480 000
JUN	5 910 000	DEC	6 140 000

TOTAL DISCHARGE, 71 000 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED SINCE 1977

REMARKS - FLOW CALCULATED FROM GENERATION AND SPILL TABLES

NELSON RIVER AT NORWAY HOUSE - STATION NO. 05UE001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	216.780E	216.714	216.741	216.826	216.972	217.127	217.156	217.018	217.084	216.886	216.870	216.842	1
2	216.810E	216.720	216.744	216.835	216.924	217.097	217.167	216.981	216.920	216.801	216.815	216.841	2
3	216.818E	216.724	216.753	216.818	216.886	217.136	217.141	216.896	216.878	216.867	216.788	216.801	3
4	216.810E	216.726	216.753	216.833	216.912	217.127	217.086	217.028	216.843	216.747	216.869	216.818	4
5	216.800E	216.735	216.756	216.853	216.953	217.150	217.018	217.094	216.890	216.887	216.898	216.826	5
6	216.780E	216.736	216.764	216.865	216.986	217.150	217.081	217.039	216.946	216.920	216.731	216.818	6
7	216.781E	216.736	216.747	216.836	216.987	218.910	217.173	217.043	217.112	216.843	216.828	216.864	7
8	216.783E	216.733	216.744A	216.836	216.981	218.898	217.208	216.988	217.277	216.880	216.841	216.804	8
9	216.781E	216.726	216.747	216.865	217.001	217.114	217.085	217.080	216.868	216.819	216.716	216.807	9
10	216.771E	216.734	216.729	216.869	216.980	217.181	216.934	217.083	216.832	216.882	216.878	216.803	10
11	216.769E	216.737	216.716	216.870	217.016	217.145	216.868	216.984	216.814	216.868	216.788	216.806	11
12	216.767E	216.740	216.726	216.880	216.993	217.081	217.041	216.980	216.858	216.784	216.804	216.814	12
13	216.768A	216.736	216.733	216.874	216.967	217.059	217.026	216.988	216.881	216.825	216.708	216.801	13
14	216.786	216.726	216.736	216.872	216.976	217.045	217.006	217.005	216.880	216.800	216.819	216.891	14
15	216.784	216.732	216.739	216.877	216.923	217.033	217.083	217.048	216.977	216.801	216.883	216.882	15
16	216.785	216.744	216.745	216.889	216.968	217.107	217.086	216.936	217.005	216.786	216.888	216.896	16
17	216.785	216.748	216.755	216.881	217.060	217.185	217.093	216.888	216.898	216.750	216.821	216.893	17
18	216.786	216.767	216.756	216.876	217.152	217.132	217.080	216.944	216.783	216.778	216.808	216.890	18
19	216.788	216.757	216.760	216.883	217.068	217.175	217.078	216.971	216.828	216.776	216.884	216.874	19
20	216.782	216.784	216.747	216.886	217.089	217.101	217.048	216.984	216.807	216.848	216.874	216.892	20
21	216.782	216.788	216.751	216.882	217.078	217.084	217.063	216.949	216.782	216.888	216.702	216.883	21
22	216.741	216.781	216.785	216.881	217.083	216.989	217.119	217.142	216.882	216.799	216.884	216.884	22
23	216.732	216.788	216.786	216.903	216.882	217.013	217.170	217.086	216.804	216.781	216.788	216.884	23
24	216.731	216.770	216.786	216.878	217.004	217.085	217.061	216.985	216.828	216.878	216.784	216.884	24
25	216.731	216.787	216.744	216.881	217.126	217.027	217.083	216.817	216.805	216.448	216.700	216.868	25
26	216.737	216.787	216.743	216.905	217.110	217.057	217.083	216.844	216.818	216.469	216.676	216.889	26
27	216.736	216.785	216.781	216.926	217.087	217.068	217.086	216.767	216.863	216.513	216.804	216.884	27
28	216.732	216.781	216.786	216.947	217.032	217.048	217.087	216.878	216.914	216.405	216.827	216.869	28
29	216.728	216.748	216.787	216.947	217.083	217.101	217.053	216.803	217.008	216.489	216.846	216.868	29
30	216.888		216.810	216.877	216.841	217.136	216.875	216.943	217.012	216.568	216.837	216.895	30
31	216.701		216.818		217.088		217.088	217.053		216.637		216.895	31
MEAN	216.781	216.744	216.753	216.877	217.008	217.088	217.077	216.988	216.888	216.730	216.804	216.888	MEAN
MAX	216.818	216.770	216.818	216.877	217.152	217.178	217.208	217.142	217.277	216.926	216.841	216.842	MAX
MIN	216.888	216.714	216.718	216.818	216.833	216.810	216.934	216.875	216.807	216.405	216.821	216.886	MIN

WATER LEVELS IN METRES

MEAN, 216.843
MAXIMUM DAILY, 217.277 ON SEP 8
MINIMUM DAILY, 216.405 ON OCT 28
MAXIMUM INSTANTANEOUS,
217.336 AT 16:24 CST ON SEP 8

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 00 N
LONG 97 49 00 W

A - MANUAL GAUGE
B - ESTIMATED

REGULATED SINCE 1973

METLEY CREEK NEAR MATLOCK - STATION NO. 05UJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0128	0	0.077	0	---	---	---	---	---	1
2	---	---	0B	0.3808	0	0.088	0	---	---	---	---	---	2
3	---	---	0B	1.81 B	0	0.018	0	---	---	---	---	---	3
4	---	---	0B	1.28 B	0	0	0	---	---	---	---	---	4
5	---	---	0B	1.37 B	0	0	0	---	---	---	---	---	5
6	---	---	0B	1.08 B	0	0	0.003	---	---	---	---	---	6
7	---	---	0B	0.838	0	0	0 A	---	---	---	---	---	7
8	---	---	0B	0.448	0	0	---	---	---	---	---	---	8
9	---	---	0B	0.240	0	0	---	---	---	---	---	---	9
10	---	---	0B	0.287	0	0	---	---	---	---	---	---	10
11	---	---	0B	0.284	0	0	---	---	---	---	---	---	11
12	---	---	0B	0.210	0	0	---	---	---	---	---	---	12
13	---	---	0B	0.302	0	0	---	---	---	---	---	---	13
14	---	---	0B	0.151	0	0	---	---	---	---	---	---	14
15	---	---	0B	0.148	0	0	---	---	---	---	---	---	15
16	---	---	0B	0.140	0	0	---	---	---	---	---	---	16
17	---	---	0B	0.1328	0	0	---	---	---	---	---	---	17
18	---	---	0B	0.1058	0	0	---	---	---	---	---	---	18
19	---	---	0B	0.090	0	0	---	---	---	---	---	---	19
20	---	---	0B	0.0748	0	0	---	---	---	---	---	---	20
21	---	---	0B	0.0588	0	0	---	---	---	---	---	---	21
22	---	---	0B	0.0448	0	0	---	---	---	---	---	---	22
23	---	---	0B	0.038	0	0	---	---	---	---	---	---	23
24	---	---	0B	0.028	0	0	---	---	---	---	---	---	24
25	---	---	0B	0.020	0	0	---	---	---	---	---	---	25
26	---	---	0B	0.015	0	0	---	---	---	---	---	---	26
27	---	---	0B	0.004	0	0	---	---	---	---	---	---	27
28	---	---	0B	0.001	0.004	0	---	---	---	---	---	---	28
29	---	---	0B	0	0	0	---	---	---	---	---	---	29
30	---		0B	0	0	0	---	---	---	---	---	---	30
31	---		0B		0		---	---	---	---	---	---	31
TOTAL	---	---	0	9.280	0.004	0.189	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.309	0	0.006	---	---	---	---	---	---	MEAN
MAX	---	---	0	1.81	0.004	0.088	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.077
MAXIMUM DAILY, 1.810 ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 52 N
LONG 97 08 56 W
DRAINAGE AREA, 245 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	800	OCT	---
MAY	0.35	NOV	---
JUN	16.8	DEC	---

TOTAL DISCHARGE, 818 dam³

METLEY CREEK NEAR PETERSFIELD - STATION NO. 05QJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.183B	0.031	0.056	0.038	0.053	0.030	0.043	---	---	1
2	---	---	0B	3.89 B	0.026	0.343	0.037	0.047	0.027	0.077	---	---	2
3	---	---	0B	11.0 B	0.024	0.427	0.023	0.038	0.024	0.088	---	---	3
4	---	---	0B	8.13 B	0.025	0.151	0.035	0.030	0.023	0.073	---	---	4
5	---	---	0B	6.21 B	0.027	0.048	0.035	0.033	0.028	0.058	---	---	5
6	---	---	0B	4.09 B	0.034	0.028	0.066	0.036	0.032	0.067	---	---	6
7	---	---	0B	3.01 B	0.047	0.035	0.133	0.032	0.032	0.080	---	---	7
8	---	---	0B	2.34	0.033	0.035	0.084	0.030	0.038	0.062	---	---	8
9	---	---	0B	1.66 A	0.032	0.018	0.069	0.031	0.038	0.088	---	---	9
10	---	---	0B	1.30 E	0.030	0.026	0.032	0.033	0.036	0.067	---	---	10
11	---	---	0B	0.838E	0.037	0.035	0.032	0.031	0.071	0.038	---	---	11
12	---	---	0B	0.580E	0.036	0.034	0.031	0.030	0.073	0.031	---	---	12
13	---	---	0B	0.453E	0.037	0.054	0.043	0.033	0.080	0.048	---	---	13
14	---	---	0B	0.373E	0.041	0.088	0.035	0.030	0.037	0.038	---	---	14
15	---	---	0B	0.321E	0.041	0.047	0.042	0.023	0.034	0.048	---	---	15
16	---	---	0B	0.275E	0.038	0.038	0.037	0.018	0.051	0.044	---	---	16
17	---	---	0B	0.247E	0.032	0.041	0.036	0.008	0.053	0.044	---	---	17
18	---	---	0B	0.226E	0.028	0.088	0.040	0.008	0.053	0.048	---	---	18
19	---	---	0B	0.203E	0.068	0.077	0.038	0.014	1.02 A	0.047	---	---	19
20	---	---	0B	0.170E	0.048	0.058	0.038	0.011	0.048E	0.071	---	---	20
21	---	---	0B	0.144E	0.037	0.052	0.041	0.004	0.052E	0.088	---	---	21
22	---	---	0B	0.130E	0.030	0.044	0.044	0.012	0.058A	0.088	---	---	22
23	---	---	0B	0.100E	0.036	0.043	0.054	0.024	0.035	0.081	---	---	23
24	---	---	0B	0.088E	0.035	0.044	0.048	0.025	0.042	0.078	---	---	24
25	---	---	0B	0.071E	0.038	0.040	0.047	0.028	0.061	0.071	---	---	25
26	---	---	0B	0.058E	0.032	0.033	0.042	0.024	0.053	0.080	---	---	26
27	---	---	0B	0.048E	0.032	0.044	0.040	0.028	0.058	0.087	---	---	27
28	---	---	0B	0.043A	0.037	0.048	0.050	0.033	0.054	0.061	---	---	28
29	---	---	0B	0.042	0.371	0.037	0.047	0.025	0.048	0.078	---	---	29
30	---		0B	0.035	0.078	0.033	0.043	0.028	0.054	0.078	---	---	30
31	---		0B		0.046		0.055	0.027		0.078		---	31
TOTAL	---	---	0	45.845	1.388	2.091	1.418	0.808	2.334	1.883	---	---	TOTAL
MEAN	---	---	0	1.53	0.044	0.070	0.046	0.026	0.078	0.083	---	---	MEAN
MAX	---	---	0	11.0	0.371	0.427	0.133	0.053	1.02	0.091	---	---	MAX
MIN	---	---	0	0.035	0.024	0.018	0.023	0.004	0.023	0.031	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.238
MAXIMUM DAILY, 11.0B ON APR 3
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 19 36 N
LONG 97 02 39 W
DRAINAGE AREA, 889 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	122
FEB	---	AUG	80.8
MAR	0	SEP	202
APR	3 880	OCT	189
MAY	118	NOV	---
JUN	181	DEC	---

TOTAL DISCHARGE, 4 620 dam³

NORTH DUCK RIVER AT COWAN - STATION NO. 05LQ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.189B	0.368B	46.0	1.84	0.219	0.036	0.087	0.185	---	---	1
2	---	---	0.197B	0.361B	76.4	1.48	0.196	0.048	0.080	0.181	---	---	2
3	---	---	0.188B	0.449B	62.6	1.30	0.184E	0.114	0.082	0.180	---	---	3
4	---	---	0.203B	4.04 B	33.3	1.13	0.184E	0.103	0.085	0.191	---	---	4
5	---	---	0.208B	7.88 B	18.8	0.987	0.184E	0.084	0.088	0.170	---	---	5
6	---	---	0.218B	8.60 B	13.7	0.881	0.182E	0.037	0.084	0.188	---	---	6
7	---	---	0.224B	6.72 B	21.4	0.771	0.186E	0.045	0.081	0.170	---	---	7
8	---	---	0.238B	4.35 B	38.8	0.708	0.191E	0.034	0.073	0.184	---	---	8
9	---	---	0.239B	3.31 B	30.8	0.677	0.179E	0.035	0.078	0.184	---	---	9
10	---	---	0.251B	10.9 B	18.1	0.621	0.187E	0.032	0.078	0.190	---	---	10
11	---	---	0.250B	8.82 B	12.4	0.882	0.180E	0.008	0.085	0.187	---	---	11
12	---	---	0.241B	5.85 B	10.8	0.747	0.127E	0.017	0.108	0.180	---	---	12
13	---	---	0.236B	6.83 B	9.89	0.684	0.132A	0.032	0.118	0.183	---	---	13
14	---	---	0.237B	8.40 B	8.74	0.600	0.230	0.056	0.111	0.183	---	---	14
15	---	---	0.244B	9.34 B	10.3	0.624	0.341	0.070	0.095	0.170	---	---	15
16	---	---	0.247B	8.81 B	8.46	1.03	0.202	0.100	0.083	0.197	---	---	16
17	---	---	0.247B	8.48	7.02	0.885	0.188	0.200	0.103	0.208	---	---	17
18	---	---	0.238B	7.04	6.80	0.739	0.158	0.182	0.111	0.212	---	---	18
19	---	---	0.247B	5.85	5.20	0.622	0.125	0.187	0.123	0.208	---	---	19
20	---	---	0.238B	4.81	5.47	0.510	0.107	0.208	0.134	0.243	---	---	20
21	---	---	0.236B	3.98	4.90	0.445	0.088	0.210	0.142	0.243	---	---	21
22	---	---	0.234B	3.33	4.43	0.394	0.074	0.238	0.140	0.242	---	---	22
23	---	---	0.241B	2.84	3.83	0.418	0.085	0.240	0.128	0.240	---	---	23
24	---	---	0.258B	1.86	3.31	0.490	0.080	0.224	0.140	0.254	---	---	24
25	---	---	0.273B	2.17	3.08	0.481	0.088	0.188	0.184	0.214	---	---	25
26	---	---	0.272B	2.71	2.88	0.430	0.068	0.123	0.183	0.194	---	---	26
27	---	---	0.268B	3.11	3.12	0.388	0.038	0.142	0.190	0.232	---	---	27
28	---	---	0.261B	2.88	2.86	0.283	0.048	0.148	0.184	0.218	---	---	28
29	---	---	0.268B	31.6	2.78	0.281	0.048	0.118	0.188	0.232	---	---	29
30	---		0.281B	37.7	2.38	0.238	0.031	0.088	0.170	0.218	---	---	30
31	---		0.284B		1.84		0.041	0.080		0.247		---	31
TOTAL	---	---	7.501	218.158	433.81	21.248	4.154	3.388	3.348	6.105	---	---	TOTAL
MEAN	---	---	0.242	7.31	14.0	0.708	0.134	0.109	0.112	0.197	---	---	MEAN
MAX	---	---	0.288	37.7	76.4	1.84	0.341	0.240	0.180	0.284	---	---	MAX
MIN	---	---	0.189	0.368	1.84	0.238	0.031	0.008	0.083	0.180	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.84
MAXIMUM DAILY, 76.4 ON MAY 2
MINIMUM DAILY, 0.008 ON AUG 11
MAXIMUM INSTANTANEOUS,
88.8 AT 23:57 CST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 50 N
LONG 100 38 00 W
DRAINAGE AREA, 223 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	359
FEB	---	AUG	281
MAR	848	SEP	269
APR	18 700	OCT	527
MAY	37 500	NOV	---
JUN	1 840	DEC	---

TOTAL DISCHARGE, 60 300 dam³

REMARKS - PRIOR TO 1988, PUBLISHED AS "DUCK RIVER"

NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KK005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	255.759	255.744	255.788	255.852	255.770	255.752	255.889	255.731	255.845	255.831	1
2	---	255.782A	255.763	255.745	255.784	255.845	255.777	255.737	255.712	255.721	255.830	255.836	2
3	---	---	255.755	255.748	255.801	255.827	255.788	255.744	255.718	255.708	255.848	255.829	3
4	---	---	255.754	255.784	255.805	255.805	255.789	255.723	255.708	255.838	255.849	255.831	4
5	---	---	255.759	255.785	255.808	255.823	255.755	255.733	255.889	255.842	255.847	255.853	5
6	255.787A	---	255.758	255.788	255.812	255.830	255.747	255.759	255.825	255.872	255.848	255.843	6
7	255.801	---	255.767	255.758	255.818	255.837	255.758	255.841	255.817	255.878	255.850	255.827	7
8	255.798	---	255.767	255.759	255.818	255.788	255.789	255.887	255.885	255.885	255.848	255.834	8
9	255.788	---	255.781	255.780	255.824	255.748	255.844	255.704	255.772	255.745	255.848	255.332	9
10	255.789	---	255.780	255.780	255.828	255.814	255.803	255.734	255.724	255.738	255.848	255.828	10
11	255.788	---	255.784	255.782	255.833	255.818	255.758	255.780	255.717	255.883	255.851	255.840E	11
12	255.800	---	255.783	255.781	255.885	255.830	255.731	255.707	255.888	255.888	255.848	255.831E	12
13	255.787	---	255.763	255.787	255.825	255.834	255.778	255.705	255.744	255.870	255.847	255.830	13
14	255.789	---	255.782	255.783	255.884	255.827	255.755	255.701A	255.871	255.877	255.847	255.823	14
15	---	255.784A	255.752	255.748	255.870	255.788	255.780	---	255.845	255.880	255.848	255.825	15
16	---	255.780A	255.752	255.780	255.803	255.724	255.778	---	255.872	255.711	255.845	255.830	16
17	---	255.780	255.752	255.748	255.785	255.803	255.785	---	255.772	255.875	255.842	255.827	17
18	---	255.780	255.748	255.747	255.842	255.788	255.788	---	255.884	255.877	255.842	255.830	18
19	---	255.788	255.748	255.747	255.848	255.855	255.784	---	255.718	255.838	255.843	255.828	19
20	---	255.783	255.747	255.748	255.843	255.803	255.777	---	255.888	255.727	255.843	255.827	20
21	---	255.780	255.748	255.744	255.833	255.833	255.780	---	255.840	255.885	255.841	255.827	21
22	---	255.781	255.750	255.741	255.848	255.804	255.741	---	255.704	255.818	255.842	255.827	22
23	---	255.784	255.780	255.738	255.838	255.785	255.808	---	255.884	255.787	255.848	255.830	23
24	---	255.783	255.782	255.738	255.788	255.803	255.770	---	255.788	255.780	255.848	255.830	24
25	---	255.788	255.748	255.738	255.831	255.788	255.787	---	255.884	255.788	255.843	255.824	25
26	---	255.788	255.744	255.734	255.827	255.770	255.783	---	255.872	255.848	255.838	255.824	26
27	---	255.788	255.748	255.734	255.843	255.780	255.787	---	255.870	255.83v	255.835	255.826	27
28	---	255.780	255.780	255.738	255.811	255.788	255.778	---	255.837	255.836	255.835	255.821	28
29	---	255.788	255.782	255.740	255.880	255.747	255.801	---	255.843	255.837	255.838	255.823	29
30	---		255.782	255.740	255.885	255.704	255.732	255.888A	255.708	255.842	255.832	255.822	30
31	---		255.744		255.812		255.781	255.874		255.844		255.822	31
MEAN	---	---	255.782	255.748	255.824	255.787	255.774	---	255.880	255.880	255.844	255.830	MEAN
MAX	---	---	255.781	255.782	255.870	255.855	255.844	---	255.772	255.787	255.851	255.853	MAX
MIN	---	---	255.744	255.734	255.788	255.704	255.731	---	255.817	255.888	255.832	255.821	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 255.870 ON MAY 15

MAXIMUM INSTANTANEOUS,
255.888 AT 03:84 CST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1984

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NORTH PINE RIVER NEAR PINE RIVER - STATION NO. 05LG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2808	0.720B	21.7	2.68	0.986	0.444	0.238	0.208	---	---	1
2	---	---	0.2708	1.00 B	32.2	2.44	0.933	0.482	0.217	0.204	---	---	2
3	---	---	0.2808	1.38 B	28.6	2.24	0.942	0.471	0.211	0.220	---	---	3
4	---	---	0.3108	1.80 B	19.2	2.08	0.827	0.428	0.211	0.228	---	---	4
5	---	---	0.3188	2.38 B	13.8	1.80	0.914	0.374	0.218	0.239	---	---	5
6	---	---	0.3808	1.88 B	11.3	1.74	0.818	0.328	0.219	0.229	---	---	6
7	---	---	0.4008	2.08 B	21.3	1.83	0.817A	0.347	0.229	0.248	---	---	7
8	---	---	0.3908	2.35 B	20.5	1.84	0.808E	0.308	0.229	0.268	---	---	8
9	---	---	0.4788	2.37 B	15.9	1.48	0.888E	0.324	0.248	0.277	---	---	9
10	---	---	0.5508	1.88 B	13.4	1.38	0.850E	0.337	0.262	0.272	---	---	10
11	---	---	0.4208	1.38 B	10.8	2.10	0.832E	0.287	0.238	0.257	---	---	11
12	---	---	0.3908	1.80 B	8.27	2.28	0.824E	0.288	0.238	0.226	---	---	12
13	---	---	0.3908	2.80 B	8.36	1.88	0.817A	0.263	0.178	0.288	---	---	13
14	---	---	0.3608	3.08 B	7.38	1.78	0.810	0.340	0.187	0.238	---	---	14
15	---	---	0.3508	3.42 B	7.21	1.88	0.880	0.188	0.148	0.227	---	---	15
16	---	---	0.3788	1.81 B	8.28	1.80	0.788	0.138	0.139	0.213	---	---	16
17	---	---	0.3808	2.13 B	8.68	1.71	0.778	0.288	0.131	0.238	---	---	17
18	---	---	0.3408	2.40 B	8.18	1.88	0.755	0.280	0.147	0.220	---	---	18
19	---	---	0.3008	2.40 B	4.88	1.40	0.738	0.317	0.185	0.188	---	---	19
20	---	---	0.2758	2.61 B	4.68	1.27	0.718	0.372	0.187	0.177	---	---	20
21	---	---	0.2908	2.31 B	4.41	1.17	0.888	0.402	0.180	0.188	---	---	21
22	---	---	0.3408	1.88	4.32	1.12	0.878	0.388	0.183	0.208	---	---	22
23	---	---	0.6508	1.71 A	4.07	1.18	0.841	0.383	0.178	0.212	---	---	23
24	---	---	0.8118	1.57	3.77	1.18	0.820	0.340	0.204	0.223	---	---	24
25	---	---	0.8808	1.84	3.48	1.25	0.802	0.238	0.217	0.1788	---	---	25
26	---	---	0.8008	2.07 A	3.38	1.13	0.884	0.207	0.288	0.1858	---	---	26
27	---	---	0.5808	1.80	3.43	1.07	0.852	0.202	0.265	0.2008	---	---	27
28	---	---	0.5708	2.88	3.27	1.08	0.827	0.237	0.288	0.1888	---	---	28
29	---	---	0.5808	8.32	3.11	1.08	0.487	0.284	0.232	0.1838	---	---	29
30	---		0.5558	18.3	2.91	0.893	0.478	0.231	0.230	0.1818	---	---	30
31	---		0.5308		2.76		0.459	0.232		0.1888		---	31
TOTAL	---	---	13.018	78.440	306.01	48.043	23.402	9.812	8.189	8.788	---	---	TOTAL
MEAN	---	---	0.420	2.68	9.87	1.80	0.755	0.307	0.205	0.218	---	---	MEAN
MAX	---	---	0.811	18.3	32.2	2.68	0.888	0.471	0.288	0.277	---	---	MAX
MIN	---	---	0.280	0.720	2.76	0.893	0.459	0.138	0.131	0.188	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.01
MAXIMUM DAILY, 32.2 ON MAY 2
MINIMUM DAILY, 0.131 ON SEP 17
MAXIMUM INSTANTANEOUS,
38.3 AT 21:40 CST ON MAY 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 00 N
LONG 100 32 00 W
DRAINAGE AREA, 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 020
FEB	---	AUG	822
MAR	1 130	SEP	532
APR	6 880	OCT	686
MAY	28 400	NOV	---
JUN	4 150	DEC	---

TOTAL DISCHARGE, 43 800 dam³

NORTH SEAL RIVER BELOW STONY LAKE - STATION NO. 06GB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	80.8B	72.8B	66.0B	45.0B	36.7B	195	549	383	148	83.6	78.0B	85.0B	1
2	80.8B	72.4B	67.3B	44.7B	36.6B	222	535	380	146	82.6	78.0B	86.0B	2
3	80.8B	72.1B	66.8B	44.4B	36.3B	2648	526	355	145	82.0	77.0B	86.0B	3
4	80.4B	71.8B	66.4B	44.1B	36.3B	307	518	352	140	81.5	76.0B	86.0B	4
5	80.2B	71.6B	66.0B	43.6B	36.2B	348	505	349	138	80.0	76.0B	84.0B	5
6	80.2B	71.1B	65.6B	43.5B	36.0B	382	491	341	134	80.0	75.0B	84.0B	6
7	80.2B	70.3B	65.2B	42.8B	35.6B	418	481	338	131	80.1	74.0B	84.0B	7
8	79.8B	69.9B	64.7B	42.5B	35.6B	446	478	333	127	87.8	74.0B	83.0B	8
9	79.7B	69.0B	64.3B	42.0B	35.4B	470	488	328	126	87.3	73.0B	82.0B	9
10	79.5B	68.6B	64.0B	41.6B	35.5B	483	457	324	126	87.3	73.0B	82.0B	10
11	79.3B	68.0B	63.7B	41.7B	35.4B	505	445	321	123	87.2	72.0B	82.0B	11
12	79.3B	67.4B	63.3B	41.5B	35.3B	521	431	317	120	87.1	72.0B	82.0B	12
13	79.0B	67.0B	63.0B	41.1B	35.4B	541	418	312	118	87.1	71.0B	81.0B	13
14	78.8B	66.6B	62.7B	40.8B	35.4B	551	409	308	118	86.6	71.0B	81.0B	14
15	78.6B	66.7B	62.0B	40.4B	35.0B	550	399	304	117	81.2	70.0B	81.0B	15
16	78.6B	66.9B	61.7B	40.2B	35.0B	571	387	300	114	81.7	70.0B	80.0B	16
17	78.3B	66.6B	61.4B	39.8B	34.3B	571	377	297	113	81.8	70.0B	80.0B	17
18	78.0B	66.1B	61.0B	39.7B	37.1B	578	369	293	113	82.1	69.0B	80.0B	18
19	77.8B	63.4B	60.4B	39.4B	38.1B	586	361	288	112	82.0	69.0B	80.0B	19
20	77.4B	62.8B	60.1B	39.2B	39.2B	598	350	284	109	82.1	69.0B	80.0B	20
21	77.1B	62.2B	49.7B	38.7B	41.4B	602	338	281	107	82.1	68.0B	80.0B	21
22	76.8B	61.5B	49.4B	38.4B	44.7B	588	331	277	104	82.0	68.0B	80.0B	22
23	76.8B	61.0B	48.7B	38.1B	52.7B	588	322	277	103	81.9	68.0B	80.0B	23
24	76.3B	60.4B	48.3B	38.0B	58.1B	600	319	278	103	82.1	67.0B	80.0B	24
25	76.0B	60.0B	47.8B	37.9B	59.5	603	302	273	100	82.1	67.0B	80.0B	25
26	75.8B	59.3B	47.7B	37.6B	104	601	288	270	99.0	82.3	66.0B	80.0B	26
27	75.1B	59.0B	47.2B	37.4B	111	588	284	268	98.8	82.0B	66.0B	80.0B	27
28	74.7B	58.7B	46.7B	37.2B	121	582	282	261	97.1	82.0B	66.0B	80.0B	28
29	74.2B	58.3B	46.4B	37.0B	135	573	278	260	95.4	81.0B	66.0B	80.0B	29
30	73.7B		46.1B	36.6B	151	561	271	254	94.2	80.0B	65.0B	80.0B	30
31	73.3B		45.8B		171		266	251		80.0B		80.0B	31
TOTAL	2 416.4	1 904.3	1 801.3	1 215.4	1 811.1	15 022	12 298	9 311	3 818.5	2 834.8	2 124.0	1 889.0	TOTAL
MEAN	77.9	65.7	61.7	40.5	58.4	501	385	304	117	85.0	70.8	80.9	MEAN
MAX	80.8	72.8	66.0	45.0	171	603	549	383	148	83.6	78.0	86.0	MAX
MIN	73.3	58.3	45.8	36.6	35.3	195	266	251	94.2	80.0	65.0	80.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 144
MAXIMUM DAILY, 603 ON JUN 25
MINIMUM DAILY, 35.3B ON MAY 12
MAXIMUM INSTANTANEOUS,
603 AT 21:30 CST ON JUN 21

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 50 40 N
LONG 98 17 20 W
DRAINAGE AREA, 16 400 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	208 000	JUL	1 060 000
FEB	165 000	AUG	548 000
MAR	135 000	SEP	304 000
APR	105 000	OCT	228 000
MAY	155 000	NOV	184 000
JUN	1 300 000	DEC	163 000

TOTAL DISCHARGE, 4 880 000 dam³

NORTH SHANNON CREEK NEAR MYRTLE - STATION NO. 05DF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.088B	0	0.038	0	0	0	0	---	---	1
2	---	---	0 B	0.234B	0	0.017	0	0	0	0	---	---	2
3	---	---	0 B	0.562B	0	0.007	0	0	0	0	---	---	3
4	---	---	0.040B	0.380E	0	0.002	0	0	0	0	---	---	4
5	---	---	0.034B	0.219A	0	0	0	0	0	0	---	---	5
6	---	---	0.031B	0.180	0	0	0	0	0	0	---	---	6
7	---	---	0.027B	0.101	0	0	0	0	0	0	---	---	7
8	---	---	0.022B	0.071	0	0	0	0	0	0	---	---	8
9	---	---	0.019B	0.048	0	0	0	0	0	0	---	---	9
10	---	---	0.028B	0.038	0	0	0	0	0	0	---	---	10
11	---	---	0.061B	0.028	0	0	0	0	0	0	---	---	11
12	---	---	0.032B	0.018	0	0	0	0	0	0	---	---	12
13	---	---	0.018B	0.013	0	0	0	0	0	0	---	---	13
14	---	---	0.010B	0.011	0	0	0	0	0	0	---	---	14
15	---	---	0.014B	0.010	0	0	0	0	0	0	---	---	15
16	---	---	0.011B	0.008	0	0	0	0	0	0	---	---	16
17	---	---	0.008B	0.005	0	0	0	0	0	0	---	---	17
18	---	---	0.018B	0.004	0	0	0	0	0	0	---	---	18
19	---	---	0.058B	0.002	0	0	0	0	0	0	---	---	19
20	---	---	0.050B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0.047B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.031B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.062B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.100B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.067B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.046B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.031B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.028B	0	0	0	0	0	0	0	---	---	28
29	---	---	0.029B	0	0.038	0	0	0	0	0	---	---	29
30	---		0.030B	0	0.215	0	0	0	0	0	---	---	30
31	---		0.034B		0.088		0	0		0A		---	31
TOTAL	---	---	1.028	1.988	0.402	0.052	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.033	0.066	0.013	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0.100	0.562	0.215	0.038	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.562B ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 34 N
LONG 97 50 33 W
DRAINAGE AREA, 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	88.9	SEP	0
APR	170	OCT	0
MAY	34.7	NOV	---
JUN	5.38	DEC	---

TOTAL DISCHARGE, 299 dam³

REMARKS - PRIOR TO 1988, PUBLISHED AS "SHANNON CREEK TRIBUTARY"

NORTH SHOAL LAKE NEAR INWOOD - STATION NO. 05LN004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	28.746E	28.723A	28.698A	28.610E	28.413	28.411	28.382	---	---	1
2	---	---	---	28.762E	28.704E	28.640	28.497E	28.413	28.438	28.334	---	---	2
3	---	---	---	28.770A	28.692E	28.637	28.488E	28.419	28.423	28.380	---	---	3
4	---	---	---	28.781	28.698E	28.623	28.501A	28.411	28.418	28.305	---	---	4
5	---	---	---	28.806	28.702E	28.598	28.487	28.385	28.407	28.272A	---	---	5
6	---	---	---	28.794	28.711A	28.580	28.468	28.371	28.403E	---	---	---	6
7	---	---	---	28.773	28.742	28.568	28.498	28.427	28.407A	---	---	---	7
8	---	---	---	28.787	28.841	28.588	28.487	28.402	28.410	---	---	---	8
9	---	---	---	28.782	28.781	28.580	28.508	28.370	28.423	---	---	---	9
10	---	---	---	28.782	28.787	28.548A	28.506	28.391	28.404	---	---	---	10
11	28.746A	---	---	28.782	28.763	---	28.478	28.397	28.423	---	---	---	11
12	---	---	---	28.782	28.825	---	28.447	28.418	28.418	---	---	---	12
13	---	---	---	28.785	28.737	---	28.488	28.444	28.433	---	---	28.254A	13
14	---	---	---	28.784	28.712	---	28.489	28.444	28.408A	---	28.251A	---	14
15	---	---	---	28.784	28.806	---	28.488	28.433	28.395E	---	---	---	15
16	---	---	---	28.790	28.737	---	28.471	28.436	28.408A	---	---	---	16
17	---	---	---	28.804	28.884	---	28.478	28.444	28.408	---	---	---	17
18	---	---	---	28.795	28.707	---	28.478	28.422	28.438	---	---	---	18
19	---	---	---	28.787	28.763A	---	28.473	28.412	28.500	---	---	---	19
20	---	---	---	28.806	---	---	28.468	28.411	28.432	---	---	---	20
21	---	---	---	28.787	---	---	28.456	28.404	28.412A	---	---	---	21
22	---	---	---	28.806	---	---	28.440	28.412	28.383A	---	---	---	22
23	---	---	---	28.801	---	---	28.447	28.485	28.320	---	---	---	23
24	---	---	---	28.787	---	---	28.453	28.487	28.307	---	---	---	24
25	---	---	---	28.827	---	---	28.424	28.457	28.337	---	---	---	25
26	---	---	---	28.802	---	---	28.448	28.425	28.318	---	---	---	26
27	---	---	---	28.802	---	---	28.436	28.470	28.321	---	---	---	27
28	---	---	---	28.797	---	---	28.431	28.433	28.288	---	---	---	28
29	---	---	---	28.770	---	---	28.448	28.402A	28.282	---	---	---	29
30	---		---	28.733	---	---	28.408	28.390E	28.321	---	---	---	30
31	---		---		---		28.437	28.401A		---		---	31
MEAN	---	---	---	28.787	---	---	28.467	28.419	28.388	---	---	---	MEAN
MAX	---	---	---	28.827	---	---	28.510	28.470	28.500	---	---	---	MAX
MIN	---	---	---	28.733	---	---	28.408	28.370	28.288	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 28.841 ON MAY 8

MAXIMUM INSTANTANEOUS,
28.901 AT 16:20 CST ON JUN 1

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 00 N
LONG 97 37 30 W

A - MANUAL GAUGE

E - ESTIMATED

NUTIMIK LAKE AT NUTIMIK LAKE - STATION NO. 05PF602

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	274.245E	274.082	274.228	---	---	---	---	1
2	---	---	---	---	---	274.276	274.082	274.238E	---	---	---	---	2
3	---	---	---	---	---	274.155	274.022	274.241E	---	---	---	---	3
4	---	---	---	---	---	274.170	274.042	274.248	---	---	274.885	---	4
5	---	---	---	---	---	274.180	274.134E	274.208	---	---	---	---	5
6	---	---	---	---	---	274.110	274.238E	274.222	274.097	274.588	---	---	6
7	---	---	---	---	---	274.087E	274.318	274.212	---	---	---	---	7
8	---	---	---	---	---	274.084E	274.242	274.202	---	---	---	---	8
9	---	---	---	---	---	274.071	274.289	274.205E	---	---	---	---	9
10	---	---	---	---	274.189	274.051	274.2[illegible]	274.208E	---	---	---	---	10
11	---	---	---	---	274.238	274.171	274.1[illegible]	274.212	---	---	---	---	11
12	---	---	---	---	274.184	274.181	274.181E	274.221	---	---	---	---	12
13	---	---	---	---	274.128	274.141	274.181E	274.188	---	---	---	---	13
14	---	---	---	---	274.228	274.171E	274.201	274.142	---	---	---	---	14
15	---	---	---	---	274.188	274.201E	274.241	274.158	---	---	---	---	15
16	---	---	---	---	274.088	274.231	274.201	274.180E	---	---	---	---	16
17	---	---	---	---	274.082E	274.181	274.240	274.184E	---	---	---	---	17
18	---	---	---	---	274.088E	274.181	274.170	274.188	---	---	---	---	18
19	---	---	---	---	274.078	274.171	274.182E	274.184E	274.220	---	---	---	19
20	---	---	---	---	274.198	274.181	274.197E	274.200	---	---	---	---	20
21	---	---	---	---	274.278	274.144E	274.210	274.188	---	---	---	---	21
22	---	---	---	---	274.250	274.138E	274.150	274.185	---	---	---	---	22
23	---	---	---	---	274.140	274.131	274.230	274.200E	---	---	---	---	23
24	---	---	---	---	274.167E	274.181	274.240	274.205E	---	---	---	---	24
25	---	---	---	---	274.183E	274.181	274.228	274.210	---	---	---	---	25
26	---	---	---	---	274.180	274.122	274.217E	274.220	---	---	---	---	26
27	---	---	---	---	274.180	274.182	274.208E	274.180	---	---	---	---	27
28	---	---	---	---	274.120	274.145E	274.184	---	---	---	---	---	28
29	---	---	---	---	274.210	274.128E	274.278	---	---	---	---	---	29
30	---		---	---	274.185	274.112	274.248	---	---	---	---	---	30
31	---		---		274.215E		274.283	---		---		---	31
MEAN	---	---	---	---	---	274.153	274.187	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	274.278	274.318	---	---	---	---	---	MAX
MIN	---	---	---	---	---	274.051	274.022	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 06 39 N
LONG 95 41 21 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

E - ESTIMATED

REGULATED

DRAINAGE AREA,
127 000 km^2

OAK CREEK NEAR GLENBORO - STATION NO. 05NG027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.175B	0.018	0.004	0	0	0	0	---	---	1
2	---	---	0 B	0.180B	0.025	0.003	0	0	0	0	---	---	2
3	---	---	0 B	0.205B	0.036	0.018	0	0	0	0	---	---	3
4	---	---	0 B	0.223B	0.024	0.004	0	0	0	0	---	---	4
5	---	---	0.001B	0.276B	0.018	0.004	0	0	0	0	---	---	5
6	---	---	0.003B	0.300B	0.022	0.002	0	0	0	0	---	---	6
7	---	---	0.005B	0.264B	0.036	0.001	0.001	0	0	0	---	---	7
8	---	---	0.007B	0.204A	0.151	0	0	0	0	0	---	---	8
9	---	---	0.005B	0.145A	0.118	0	0	0	0	0	---	---	9
10	---	---	0.003B	0.105A	0.188	0	0	0	0	0	---	---	10
11	---	---	0.002B	0.088A	0.220	0	0	0	0	0	---	---	11
12	---	---	0.001B	0.042A	0.177	0	0	0	0	0	---	---	12
13	---	---	0.001B	0.078	0.108	0	0.001	0	0	0	---	---	13
14	---	---	0.001B	0.085	0.077	0.001	0	0	0	0	---	---	14
15	---	---	0.001B	0.044	0.052	0.001	0	0	0	0	---	---	15
16	---	---	0.001B	0.040	0.048	0	0	0	0	0	---	---	16
17	---	---	0.001B	0.038	0.038	0	0	0	0	0	---	---	17
18	---	---	0.001B	0.032	0.033	0	0	0	0	0	---	---	18
19	---	---	0.001B	0.023	0.031	0	0	0	0	0	---	---	19
20	---	---	0.001B	0.011	0.153	0	0	0	0	0	---	---	20
21	---	---	0.005B	0.011	0.852	0	0	0	0	0	---	---	21
22	---	---	0.035B	0.011	0.321	0	0	0	0	0	---	---	22
23	---	---	0.073B	0.012	0.102	0	0	0	0	0	---	---	23
24	---	---	0.130B	0.008	0.087	0	0	0	0	0	---	---	24
25	---	---	0.190B	0.004	0.048	0	0	0	0	0	---	---	25
26	---	---	0.170B	0.003	0.019	0	0	0	0	0	---	---	26
27	---	---	0.180B	0.003	0.007	0	0	0	0	0	---	---	27
28	---	---	0.158B	0.004	0.003	0	0	0	0	0	---	---	28
29	---	---	0.158B	0.007	0.002	0	0	0	0	0	---	---	29
30	---		0.180B	0.013	0.002	0	0	0	0	0	---	---	30
31	---		0.185B		0.004		0		0	0		---	31
TOTAL	---	---	1.805	2.800	2.587	0.039	0.002	0	0	0	---	---	TOTAL
MEAN	---	---	0.049	0.087	0.087	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	0.200	0.300	0.852	0.018	0.001	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.028
MAXIMUM DAILY, 0.852 ON MAY 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.87 AT 13:01 CST ON MAY 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 22 N
LONG 99 10 16 W
DRAINAGE AREA, 484 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.17
FEB	---	AUG	0
MAR	130	SEP	0
APR	225	OCT	0
MAY	232	NOV	---
JUN	3.37	DEC	---

TOTAL DISCHARGE, 591 dam³

OAK CREEK NEAR STOCKTON - STATION NO. 05NG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.001B	0.001B	0.001B	0.115B	0.005	0.003	0.001	0	0	0	0B	0B	1
2	0.001B	0.001B	0.001B	0.188B	0.005	0.004	0.001	0	0	0	0B	0B	2
3	0.001B	0.001B	0.502B	0.061B	0.003	0.004	0.001	0	0	0	0B	0B	3
4	0.001B	0.001B	0.002B	0.058B	0.002	0.005	0.001	0	0	0	0B	0B	4
5	0.001B	0.001B	0.003B	0.011B	0.002	0.005	0.001	0	0	0	0B	0	5
6	0.001B	0.001B	0.018B	0.008	0.002	0.005	0.001	0	0	0	0B	0B	6
7	0.001B	0.001B	0.037B	0.004	0.003	0.003	0.001	0	0	0	0B	0B	7
8	0.001B	0.001B	0.004B	0.005	0.004	0.002	0.001	0	0	0	0B	0B	8
9	0.001B	0.001B	0.002B	0.004	0.003	0.002	0.001	0	0	0	0B	0B	9
10	0.001B	0.001B	0.002B	0.004	0.003	0.003	0.001	0	0	0	0B	0B	10
11	0.001B	0.001B	0.001B	0.004	0.003	0.003	0.001	0	0	0	0B	0B	11
12	0.001B	0.001B	0.001B	0.003	0.004	0.003	0.002	0	0	0	0B	0B	12
13	0.001B	0.001B	0.001B	0.003	0.008	0.003	0.002	0	0	0	0B	0B	13
14	0.001B	0.001B	0.001B	0.003	0.008	0.003	0.002	0	0	0	0B	0B	14
15	0.001B	0.001B	0.001B	0.004	0.005	0.004	0.002	0	0	0	0B	0B	15
16	0.001B	0.001B	0.001B	0.044	0.005	0.004	0.001	0	0	0	0B	0B	16
17	0.001B	0.001B	0.001B	0.048	0.004	0.003	0.001	0	0	0	0B	0B	17
18	0.001B	0.001B	0.001B	0.007	0.005	0.003	0.001	0	0	0	0B	0B	18
19	0.001B	0.001B	0.001B	0.002	0.005	0.002	0.001	0	0	0	0B	0B	19
20	0.001B	0.001B	0.001B	0.001	0.004	0.002	0.001	0	0	0	0B	0B	20
21	0.001B	0.001B	0.002B	0.001	0.003	0.002	0.001	0	0	0	0B	0B	21
22	0.001B	0.001B	0.006B	0.001	0.003	0.001	0.001	0	0	0	0B	0B	22
23	0.001B	0.001B	0.020B	0.001	0.003	0.001	0.001	0	0	0	0B	0B	23
24	0.001B	0.001B	0.027B	0.001	0.003	0.001	0.001	0	0	0	0B	0B	24
25	0.001B	0.001B	0.048B	0.001	0.003	0.001	0.001	0	0	0	0B	0B	25
26	0.001B	0.001B	0.011B	0.001	0.002	0.001	0	0	0	0	0B	0B	26
27	0.001B	0.002B	0.003B	0.001	0.002	0.001	0	0	0	0	0B	0B	27
28	0.001B	0.001B	0.008B	0.002	0.002	0.001	0	0	0	0	0B	0B	28
29	0.001B	0.001B	0.014B	0.002	0.002	0.001	0	0	0	0	0B	0B	29
30	0.001B		0.018B	0.002	0.002	0.001	0	0	0	0	0B	0B	30
31	0.001B		0.028B		0.003		0		0	0B		0B	31
TOTAL	0.031	0.030	0.251	0.588	0.107	0.078	0.029	0	0	0	0	0	TOTAL
MEAN	0.001	0.001	0.008	0.020	0.003	0.003	0.001	0	0	0	0	0	MEAN
MAX	0.001	0.002	0.048	0.188	0.008	0.008	0.002	0	0	0	0	0	MAX
MIN	0.001	0.001	0.001	0.001	0.002	0.001	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.188B ON APR 2
MINIMUM DAILY, 0 ON JUL 26
MAXIMUM INSTANTANEOUS,
0.232B AT 20:41 CST ON APR 1

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 44 N
LONG 99 30 49 W
DRAINAGE AREA, 1 050 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2.68	JUL	2.51
FEB	2.59	AUG	0
MAR	21.7	SEP	0
APR	50.8	OCT	0
MAY	9.24	NOV	0
JUN	6.74	DEC	0

TOTAL DISCHARGE, 98.1 dam³

OAK LAKE AT OAK LAKE RESORT - STATION NO. 05MG005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	428.180	428.208	428.213	428.215	428.053	428.029	428.825	428.737	---	---	1
2	---	---	428.177	428.211	428.216	428.216	428.052	428.026	428.808	428.728	---	---	2
3	---	---	428.177	428.213	428.231	428.210	428.056	428.036	428.800	428.704	428.674A	---	3
4	---	---	428.178	428.216	428.231	428.207	428.037	428.021	428.788	428.689	---	---	4
5	---	---	428.178	428.218	428.228	428.206	428.040	428.021	428.777	428.718	---	---	5
6	---	---	428.178	428.217	428.232	428.194	428.052	428.021	428.775	428.708	---	---	6
7	---	---	428.184	428.218	428.236	428.178	428.064	428.009	428.772A	428.726A	---	---	7
8	---	---	428.188	428.220	428.233	428.148	428.068	428.887	428.763	---	---	---	8
9	---	---	428.188	428.218	428.240	428.150	428.056	428.903	428.723	---	---	---	9
10	---	---	428.188	428.218	428.247	428.147	428.041	428.880	428.708	---	---	---	10
11	---	---	428.188	428.220	428.242	428.182	428.040	428.877	428.728	---	---	---	11
12	---	---	428.188	428.220	428.244	428.131	428.041	428.877	428.758	---	---	---	12
13	---	---	428.188	428.217	428.250	428.118	428.062	428.888	428.752	---	---	---	13
14	---	---	428.187	428.216	428.251	428.121	428.043	428.873	428.743A	---	---	---	14
15	---	---	428.188	428.216	428.248	428.124	428.043	428.872	428.748E	---	---	---	15
16	---	---	428.187	428.220	428.247	428.118	428.041	428.880	428.747E	---	---	---	16
17	---	---	428.180	428.211	428.286	428.123	428.036	428.848	428.748E	---	---	---	17
18	---	---	428.187	428.216	428.250	428.117	428.030	428.852	428.750E	---	---	---	18
19	---	---	428.187	428.214	428.251	428.112	428.026	428.852	428.752E	---	---	---	19
20	---	---	428.188	428.212	428.252	428.103	428.013	428.834	428.754E	---	---	---	20
21	---	---	428.187	428.212	428.247	428.098	428.017	428.868	428.758A	---	---	---	21
22	---	---	428.188	428.212	428.247	428.084	428.010	428.880	428.787A	---	---	---	22
23	---	---	428.187	428.217	428.234	428.084	428.987	428.851	428.748A	---	428.700A	---	23
24	---	428.178A	428.185	428.217	428.238	428.104	428.988	428.881	428.761A	---	---	---	24
25	---	428.180	428.207	428.188	428.243	428.083	428.988	428.849	428.708	---	---	---	25
26	---	428.181	428.208	428.201	428.229	428.077	428.978	428.845	428.780	---	---	---	26
27	---	428.182	428.204	428.208	428.235	428.071	428.971	428.838	428.768	---	---	---	27
28	---	428.183	428.208	428.207	428.231	428.048	428.987	428.831	428.788	---	---	---	28
29	---	428.178	428.208	428.207	428.231	428.040	428.984	428.827	428.778	---	---	---	29
30	---		428.208	428.208	428.224	428.048	428.983	428.828	428.772	---	---	---	30
31	---		428.208		428.237		428.842	428.818		---		---	31
MEAN	---	---	428.190	428.214	428.238	428.128	428.022	428.872	428.788	---	---	---	MEAN
MAX	---	---	428.208	428.220	428.281	428.218	428.064	428.838	428.825	---	---	---	MAX
MIN	---	---	428.178	428.188	428.213	428.040	428.842	428.818	428.708	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 428.281 ON MAY 14

MAXIMUM INSTANTANEOUS,
428.314 AT 11:48 CST ON MAY 14

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 100 42 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
4 780 km²

OAK RIVER AT SHOAL LAKE - STATION NO. 05MG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0638	0.026	0.018	0	0	0	0	---	---	1
2	---	---	0 B	0.1048	0.088	0.017	0	0	0	0	---	---	2
3	---	---	0 B	0.1228	0.080	0.013	0	0	0	0	---	---	3
4	---	---	0 B	0.1588	0.062	0.013	0	0	0	0	---	---	4
5	---	---	0 B	0.2228	0.051	0.012	0	0	0	0	---	---	5
6	---	---	0 B	0.1728	0.061	0.008	0	0	0	0	---	---	6
7	---	---	0 B	0.1428	0.092	0.004	0	0	0	0	---	---	7
8	---	---	0 B	0.2018	0.088	0.001	0	0	0	0	---	---	8
9	---	---	0 B	0.3488	0.110	0.003	0	0	0	0	---	---	9
10	---	---	0 B	0.2098	0.101	0.002	0	0	0	0	---	---	10
11	---	---	0 B	0.185	0.088	0.008	0	0	0	0	---	---	11
12	---	---	0 B	0.087	0.089	0.010	0	0	0	0	---	---	12
13	---	---	0 B	0.045	0.092	0.004	0	0	0	0	---	---	13
14	---	---	0 B	0.012	0.083	0	0	0	0	0	---	---	14
15	---	---	0 B	0.013	0.088	0	0	0	0	0	---	---	15
16	---	---	0 B	0.012	0.071	0	0	0	0	0	---	---	16
17	---	---	0 B	0.008	0.087	0	0	0	0	0	---	---	17
18	---	---	0 B	0.002	0.081	0	0	0	0	0	---	---	18
19	---	---	0 B	0.002	0.085	0	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0.083	0	0	0	0	0	---	---	20
21	---	---	0 B	0.001	0.089	0	0	0	0	0	---	---	21
22	---	---	0 B	0.001	0.086	0	0	0	0	0	---	---	22
23	---	---	0.0038	0.008	0.088	0	0	0	0	0	---	---	23
24	---	---	0.0338	0.010	0.044	0	0	0	0	0	---	---	24
25	---	---	0.0208	0.012	0.036	0	0	0	0	0	---	---	25
26	---	---	0.0318	0.008	0.034	0	0	0	0	0	---	---	26
27	---	---	0.0238	0.010	0.028	0	0	0	0	0	---	---	27
28	---	---	0.0268	0.010	0.023	0	0	0	0	0	---	---	28
29	---	---	0.0278	0.001	0.018	0	0	0	0	0	---	---	29
30	---		0.0308	0.004	0.011	0	0	0	0	0	---	---	30
31	---		0.0368		0.012		0	0		0		---	31
TOTAL	---	---	0.307	2.148	1.943	0.112	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.007	0.072	0.063	0.004	0	0	0	0	---	---	MEAN
MAX	---	---	0.036	0.348	0.110	0.017	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0.011	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.3488 ON APR 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.5188 AT 08:12 CST ON APR 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 33 N
LONG 100 35 18 W
DRAINAGE AREA, 372 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	17.0	SEP	0
APR	186	OCT	0
MAY	166	NOV	---
JUN	9.66	DEC	---

TOTAL DISCHARGE, 382 dam³

OAK RIVER NEAR RIVERS - STATION NO. 05MD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.010	0.002	0.002	0	0	0	0	---	---	1
2	---	---	0 B	0.006	0.003	0.003	0	0	0	0	---	---	2
3	---	---	0 B	0.004	0.003	0.002	0	0	0	0	---	---	3
4	---	---	0 B	0.135	0.003	0.002	0	0	0	0	---	---	4
5	---	---	0 B	0.758	0.008	0.002	0	0	0	0	---	---	5
6	---	---	0 B	0.886	0.001	0.002	0	0	0	0	---	---	6
7	---	---	0 B	0.782	0.072	0.002	0	0	0	0	---	---	7
8	---	---	0 B	3.832	0.147	0.001	0	0	0	0	---	---	8
9	---	---	0.0018	0.604	0.018	0.001	0	0	0	0	---	---	9
10	---	---	0.0018	0.288	0.003	0.001	0	0	0	0	---	---	10
11	---	---	0.0018	0.183	0.008	0.001	0	0	0	0	---	---	11
12	---	---	0.0018	0.071	0.008	0.001	0	0	0	0	---	---	12
13	---	---	0.0018	0.088	0.005	0.001	0	0	0	0	---	---	13
14	---	---	0.0018	0.038	0.004	0.001	0	0	0	0	---	---	14
15	---	---	0.0018	0.030	0.003	0.002	0	0	0	0	---	---	15
16	---	---	0.0018	0.026	0.002	0.003	0	0	0	0	---	---	16
17	---	---	0.0018	0.018	0.001	0.003	0	0	0	0	---	---	17
18	---	---	0.0018	0.013	0.001	0.005	0	0	0	0	---	---	18
19	---	---	0.0018	0.012	0.001	0.005	0	0	0	0	---	---	19
20	---	---	0.0018	0.012	0.001	0.007	0	0	0	0	---	---	20
21	---	---	0.0018	0.009	0.002	0.007	0	0	0	0	---	---	21
22	---	---	0.0028	0.007	0.002	0.007	0	0	0	0	---	---	22
23	---	---	0.0018	0.008	0.002	0.007	0	0	0	0	---	---	23
24	---	---	0.0018	0.004	0.002	0.008	0	0	0	0	---	---	24
25	---	---	0.0018	0.003	0.001	0.004	0	0	0	0	---	---	25
26	---	---	0 B	0.003	0.001	0.003	0	0	0	0	---	---	26
27	---	---	0 B	0.002	0.001	0.002	0	0	0	0	---	---	27
28	---	---	0 B	0.003	0.001	0.001	0	0	0	0	---	---	28
29	---	---	0 B	0.002	0.001	0.001	0	0	0	0	---	---	29
30	---		0 B	0.003	0.004	0	0	0	0	0	---	---	30
31	---		0.0018		0.001		0	0		0	---	---	31
TOTAL	---	---	0.018	4.878	0.308	0.088	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.156	0.010	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	0.002	0.886	0.147	0.007	0	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.021
MAXIMUM DAILY, 0.886 ON APR 6
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.53 AT 23:05 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 30 N
LONG 100 23 36 W
DRAINAGE AREA, 1 180 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1.84	SEP	0
APR	404	OCT	0
MAY	28.6	NOV	---
JUN	7.43	DEC	---

TOTAL DISCHARGE, 440 dam³

OCHRE RIVER AT OCHRE RIVER - STATION NO. 05LJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3788	5.88	0.848	0.134	0.005	0.088A	0.210	---	---	1
2	---	---	0 B	1.18 B	13.3	0.883	0.131	0.005	0.088	0.183	---	---	2
3	---	---	0 B	8.08 B	24.1	0.808	0.118	0.004	0.084	0.178	---	---	3
4	---	---	0 B	8.88 B	14.2	0.711	0.102	0.012	0.074	0.177A	---	---	4
5	---	---	0 B	7.61 B	8.83	0.828	0.102	0.020	0.083	0.177E	---	---	5
6	---	---	0.0028	6.17 B	7.89	0.578	0.155	0.018	0.082	0.178E	---	---	6
7	---	---	0.0078	5.87 B	10.6	0.478	0.283	0.012	0.048	0.178E	---	---	7
8	---	---	0.0148	5.60 B	10.7	0.415	0.514	0.008	0.045	0.180E	---	---	8
9	---	---	0.0208	5.78 B	8.43	0.389	0.288	0.002	0.044	0.182E	---	---	9
10	---	---	0.0238	5.62 A	6.38	0.384	0.202	0	0.043	0.188E	---	---	10
11	---	---	0.0258	4.87 A	5.10	0.381	0.172	0	0.039	0.184A	---	---	11
12	---	---	0.0308	4.10 E	4.22	0.423	0.154	0	0.031	0.177A	---	---	12
13	---	---	0.0408	3.85 E	4.04	0.358	0.189	0	0.028	0.174A	---	---	13
14	---	---	0.0518	3.82 A	3.31	0.300	0.202	0	0.024	0.177A	---	---	14
15	---	---	0.0588	2.78	4.18	0.358	0.190	0	0.088	0.188E	---	---	15
16	---	---	0.0788	3.88	4.38	0.807	0.178	0.011	0.148	0.181E	---	---	16
17	---	---	0.0868	2.32	3.44	0.478	0.188	0.038	0.107	0.203E	---	---	17
18	---	---	0.1858	1.80	2.87	0.401	0.123	0.088	0.080	0.208A	---	---	18
19	---	---	0.2488	1.78	3.08	0.337	0.108	0.084	0.078	0.187A	---	---	19
20	---	---	0.1928	1.58	2.85	0.281	0.101	0.088	0.078	0.184A	---	---	20
21	---	---	0.1588	1.47	2.28	0.237	0.108	0.190	0.078	0.181A	---	---	21
22	---	---	0.1788	1.28	2.04	0.202	0.082	0.288	0.087	0.184E	---	---	22
23	---	---	0.2538	1.12	1.84	0.200	0.088	0.278	0.153	0.187A	---	---	23
24	---	---	0.8838	1.18	1.87	0.214	0.088	0.188	0.202	0.184A	---	---	24
25	---	---	0.8888	1.11	1.48	0.238	0.047	0.138	0.193	0.182A	---	---	25
26	---	---	0.8388	1.08	1.38	0.188	0.037	0.107	0.178	0.138A	---	---	26
27	---	---	0.2588	1.29	1.29	0.184	0.030	0.107	0.158	0.138A	---	---	27
28	---	---	0.2418	1.80	1.22	0.158	0.024	0.110	0.182	0.138A	---	---	28
29	---	---	0.2428	2.51	1.18	0.152	0.020	0.101A	0.251	0.180A	---	---	29
30	---		0.2488	3.40	1.08	0.148	0.015	0.091A	0.280	0.174A	---	---	30
31	---		0.2908		1.00		0.008	0.078A		0.181A		---	31
TOTAL	---	---	5.031	85.218	184.85	12.018	4.071	2.047	3.038	5.804	---	---	TOTAL
MEAN	---	---	0.162	3.17	5.32	0.401	0.131	0.088	0.101	0.181	---	---	MEAN
MAX	---	---	0.885	7.61	24.1	0.845	0.514	0.295	0.280	0.210	---	---	MAX
MIN	---	---	0	0.378	1.00	0.145	0.008	0	0.024	0.138	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.18
MAXIMUM DAILY, 24.1 ON MAY 3
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
37.7 AT 04:15 CST ON MAY 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 55 N
LONG 99 46 44 W
DRAINAGE AREA, 342 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	353
FEB	---	AUG	177
MAR	438	SEP	282
APR	8 230	OCT	484
MAY	14 300	NOV	---
JUN	1 040	DEC	---

TOTAL DISCHARGE, 25 300 dam³

ODEI RIVER NEAR THOMPSON - STATION NO. 05TG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.488	2.348	1.508	1.388	1.908	87.5	81.7	---	24.4	25.1	15.2	7.528	1
2	4.328	2.308	1.478	1.388	2.388	85.8	48.8	---	24.0	25.8	15.2	7.268	2
3	4.228	2.278	1.458	1.388	88.2 B	88.0	46.8	31.8A	23.7	26.0	15.0 B	6.988	3
4	4.128	2.228	1.438	1.388	103 B	87.2	46.0A	31.7	23.1	25.8	14.8 B	6.718	4
5	4.018	2.208	1.418	1.388	130 B	88.0	---	31.3	22.7	25.8	14.7 B	6.468	5
6	3.918	2.168	1.508	1.388	182 B	88.7	---	30.4	22.0	25.2	14.8 B	6.268	6
7	3.808	2.128	1.508	1.388	193 B	88.1	---	30.2	20.8	24.8	14.8 B	6.908	7
8	3.738	2.108	1.498	1.388	232	84.3	---	29.2	20.1	23.8	14.2 B	6.738	8
9	3.628	2.088	1.488	1.388	268	82.8	---	28.8	19.8	23.7	14.1 B	6.588	9
10	3.528	2.048	1.488	1.388	288	81.4	---	28.3	19.6	22.8	13.9 B	6.488	10
11	3.488	2.008	1.438	1.388	287	88.4	---	28.0	20.1	22.5	13.8 B	6.278	11
12	3.448	1.988	1.428	1.388	287	88.7	---	28.8	20.2	22.6	13.8 B	6.188	12
13	3.388	1.968	1.418	1.388	243	88.8	---	28.1	20.0	22.1	13.3 B	6.988	13
14	3.318	1.928	1.408	1.388	227	89.1	---	27.8	19.2	20.7	13.0 B	4.888	14
15	3.248	1.908	1.408	1.388	207	89.8	---	27.2	18.9	20.1	12.8 B	4.788	15
16	3.208	1.888	1.408	1.388	187	88.0	---	26.8	20.2	18.8	12.8 B	4.848	16
17	3.148	1.888	1.388	1.388	188	87.8	---	26.8	20.8	18.2	12.2 B	4.648	17
18	3.118	1.828	1.388	1.388	148	88.2	---	26.1	20.7	18.4	11.8 B	4.428	18
19	3.108	1.808	1.388	1.388	134	88.2	---	24.2	21.8	18.1	11.8 B	4.328	19
20	2.988	1.788	1.388	1.388	123	87.8	---	23.8	22.0	18.8	11.2 B	4.228	20
21	3.838	1.778	1.388	1.388	114	74.8	---	22.3	21.8	18.3	10.8 B	4.128	21
22	2.888	1.768	1.388	1.378	108	78.7	---	23.0	21.8	17.3	10.8 B	4.018	22
23	2.828	1.738	1.378	1.378	98.7	77.8	---	23.1	22.1	16.7	10.2 B	3.918	23
24	2.768	1.708	1.378	1.388	92.3	75.3	---	22.8	23.8	14.8	9.888	3.848	24
25	2.728	1.888	1.388	1.388	88.7	72.0	---	23.8	25.3	15.2	9.488	3.808	25
26	2.678	1.888	1.388	1.398	82.7	88.8	---	24.8	28.3	15.8	9.148	3.738	26
27	2.618	1.848	1.388	1.408	78.8	85.7	---	25.3	28.7	16.4	8.828	3.888	27
28	2.558	1.828	1.388	1.428	76.8	82.2	---	25.8	28.3	16.8	8.588	3.638	28
29	2.478	1.808	1.388	1.448	73.7	88.6	---	25.8	28.8	15.8	8.088	3.588	29
30	2.408		1.388	1.888	71.2	84.7	---	25.8	28.8	16.3	7.758	3.528	30
31	2.388		1.388		89.8		---	26.2		15.7		3.488	31
TOTAL	101.33	88.82	44.21	41.09	4 318.15	1 840.8	---	---	888.8	628.4	385.20	182.31	TOTAL
MEAN	3.37	1.83	1.43	1.37	139	84.7	---	---	22.3	20.3	12.2	4.81	MEAN
MAX	4.48	2.34	1.88	1.88	288	78.7	---	---	28.7	28.8	15.2	7.52	MAX
MIN	2.38	1.80	1.38	1.38	1.88	84.7	---	---	18.2	14.8	7.78	3.48	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 288 ON MAY 10
MINIMUM DAILY, 1.388 ON MAR 31
MAXIMUM INSTANTANEOUS,
272 AT 18:08 CST ON MAY 10

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 59 45 N
LONG 97 21 23 W
DRAINAGE AREA, 8 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	8 780	JUL	---
FEB	4 630	AUG	---
MAR	3 820	SEP	87 900
APR	3 550	OCT	84 400
MAY	373 000	NOV	31 800
JUN	158 000	DEC	13 200

OMANDS CREEK NEAR BROOKSIDE CEMETERY - STATION NO. 05MJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	0	0E	0E	0E	0	0E	---	---	1
2	---	---	0 B	0 B	0A	0E	0E	0E	0	0E	---	---	2
3	---	---	0 B	0.400E	0E	0E	0E	0A	0	0E	---	---	3
4	---	---	0 B	0.780A	0E	0E	0E	0E	0	0E	---	---	4
5	---	---	0.0028	0.304	0E	0E	0E	0E	0	0E	---	---	5
6	---	---	0.0048	0.328	0A	0E	0E	0E	0	0E	---	---	6
7	---	---	0.0058	0.336	0	0A	0E	0E	0	0E	---	---	7
8	---	---	0.0068	0.137	0A	0E	0E	0E	0	0E	---	---	8
9	---	---	0.0078	0.088	0E	0E	0E	0E	0	0E	---	---	9
10	---	---	0.0088	0.087	0E	0E	0E	0E	0	0E	---	---	10
11	---	---	0.0088	0.080	0E	0E	0E	0E	0	0E	---	---	11
12	---	---	0.0048	0.028	0E	0E	0E	0E	0A	0E	---	---	12
13	---	---	0.0038	0.009	0E	0E	0E	0E	0A	0E	---	---	13
14	---	---	0.0028	0.002	0E	0E	0E	0E	0E	0E	---	---	14
15	---	---	0 B	0	0E	0E	0E	0E	0E	0E	---	---	15
16	---	---	0 B	0	0E	0E	0E	0E	0E	0E	---	---	16
17	---	---	0 B	0	0E	0E	0E	0E	0E	0E	---	---	17
18	---	---	0 B	0	0E	0	0E	0E	0E	0E	---	---	18
19	---	---	0 B	0	0E	0E	0E	0E	0E	0E	---	---	19
20	---	---	0 B	0	0E	0E	0A	0E	0E	0E	---	---	20
21	---	---	0 B	0	0E	0E	0E	0E	0E	0E	---	---	21
22	---	---	0 B	0	0E	0A	0E	0E	0E	0E	---	---	22
23	---	---	0 B	0	0E	0E	0E	0E	0E	0E	---	---	23
24	---	---	0 B	0	0E	0E	0E	0E	0E	0E	---	---	24
25	---	---	0 B	0	0E	0E	0E	0E	0E	0E	---	---	25
26	---	---	0 B	0	0A	0E	0E	0	0E	0A	---	---	26
27	---	---	0 B	0	0E	0E	0E	0	0A	0B	---	---	27
28	---	---	0 B	0	0E	0E	0E	0	0E	0B	---	---	28
29	---	---	0 B	0	0E	0E	0E	0	0E	0B	---	---	29
30	---		0 B	0	0E	0A	0E	0	0E	0B	---	---	30
31	---		0 B		0E	0E	0E	0	0E	0B	---	---	31
TOTAL	---	---	0.044	2.428	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.081	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.007	0.780	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.010
MAXIMUM DAILY, 0.780A ON APR 4
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 97 12 58 W
DRAINAGE AREA, 78.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	3.80	SEP	0
APR	210	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 214 dam³

OMANDS CREEK NEAR METRO ROUTE 90 - STATION NO. 05MJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	0.3378	0.001	0	0	0.084	0	0	---	---	1
2	---	---	0.0048	0.8518	0.001	0	0	0.020	0	0	---	---	2
3	---	---	0.0088	0.8888	0.001	0	0	0.002	0	0	---	---	3
4	---	---	0.0078	1.28 A	0.003	0	0		0	0	---	---	4
5	---	---	0.0108	0.884	0.004	0	0.028	0	0	0	---	---	5
6	---	---	0.0148	0.578	0.002	0	0.048	0	0	0	---	---	6
7	---	---	0.0158	0.474	0.002	0	0.027	0	0	0	---	---	7
8	---	---	0.0188	0.283	0.040	0	0.008	0	0	0	---	---	8
9	---	---	0.0178	0.184	0.022	0	0	0	0	0	---	---	9
10	---	---	0.0188	0.128	0.013	0	0	0	0	0	---	---	10
11	---	---	0.0188	0.088	0.011	0 A	0	0	0.085	0	---	---	11
12	---	---	0.0148	0.071	0.013	0.014	0.008	0	0.047	0	---	---	12
13	---	---	0.0138	0.061	0.008	0.008	0.074	0	0.020	0	---	---	13
14	---	---	0.0128	0.048	0.008	0.018	0.037	0	0.027	0	---	---	14
15	---	---	0.0108	0.037	0.013	0.082	0.015	0	0.015	0.003	---	---	15
16	---	---	0.0088	0.030	0.008	0.031	0.003	0	0.008	0.022	---	---	16
17	---	---	0.0068	0.030	0.008	0.023	0	0	0.008	0.020	---	---	17
18	---	---	0.0068	0.023	0.008	0.820	0.004	0	0.014	0.014	---	---	18
19	---	---	0.0068	0.021	0.048	0.048	0.002	0	0.041	0.011	---	---	19
20	---	---	0.0048	0.017	0.027	0.013	0.001	0	0.020	0.007	---	---	20
21	---	---	0.0038	0.015	0.018	0.005	0	0	0.022	0.008	---	---	21
22	---	---	0.0018	0.010	0.011	0.002	0	0	0.015	0.0088	---	---	22
23	---	---	0.0018	0.008	0.008	0.002	0	0	0.007	0.0088	---	---	23
24	---	---	0.0238	0.003	0.003	0.040	0	0	0.005	0.0048	---	---	24
25	---	---	0.0488	0.003	0.001	0.015	0	0	0.003	0.0028	---	---	25
26	---	---	0.0338	0.002	0.0018	0.004	0	0	0.003	0.0028	---	---	26
27	---	---	0.0208	0.004	0.001	0.001	0	0	0.001	0.0028	---	---	27
28	---	---	0.0078	0.001	0.003	0.002	0	0	0	0.0028	---	---	28
29	---	---	0.0428	0.001	0.002	0.002	0	0	0	0.0018	---	---	29
30	---		0.0308	0.001	0.001	0.001	0	0	0	0.0018	---	---	30
31	---		0.0228		0		0.274	0		0.0018		---	31
TOTAL	---	---	0.421	5.803	0.339	0.901	0.524	0.055	0.310	0.110	---	---	TOTAL
MEAN	---	---	0.014	0.187	0.011	0.030	0.017	0.002	0.010	0.004	---	---	MEAN
MAX	---	---	0.048	1.28	0.053	0.820	0.274	0.084	0.085	0.022	---	---	MAX
MIN	---	---	0.001	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.035
MAXIMUM DAILY, 1.28A ON APR 4
MINIMUM DAILY, 0 ON MAY 31
MAXIMUM INSTANTANEOUS,
1.88 AT 04:10 CST ON JUN 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 43 N
LONG 97 12 20 W
DRAINAGE AREA, 80.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	45.3
FEB	---	AUG	7.43
MAR	36.4	SEP	28.8
APR	510	OCT	9.50
MAY	28.3	NOV	---
JUN	77.8	DEC	---

TOTAL DISCHARGE, 743 dam³

OTTER LAKE NEAR BROAD VALLEY - STATION NO. 05SD801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	274.021	273.888	273.888	273.857	273.771	273.718	273.898	---	1
2	---	---	---	---	274.024	273.881	273.888	273.851	273.762	273.720	273.898	---	2
3	---	---	---	---	274.021	273.885	273.880	273.848	273.762	273.710	273.898A	---	3
4	---	---	---	---	274.015	273.882	273.881	273.845	273.759	273.718	---	---	4
5	---	---	---	---	274.012	273.878	273.883	273.845	273.759	273.720	---	---	5
6	---	---	---	274.030A	274.015	273.888	273.888	273.835	273.762	273.718	---	---	6
7	---	---	---	---	274.030	273.887	273.842	273.826	273.759	273.713	---	---	7
8	---	---	---	---	274.055	273.848	273.842	273.820	273.760	273.713	---	---	8
9	---	---	---	---	274.055	273.848	273.827	273.823	273.735	273.707	---	---	9
10	---	---	---	---	274.052	273.838	273.824	273.811	273.732	273.698	---	---	10
11	---	---	---	274.030A	274.052	273.833	273.824	273.805	273.735	273.704	---	---	11
12	---	---	---	274.027	274.040	273.824	273.824	273.802	273.763	273.713	---	---	12
13	---	---	---	274.024	274.052	273.812	273.827	273.788	273.760	273.707	---	---	13
14	---	---	---	274.021	274.049	273.808	273.827	273.788	273.747	273.701	---	---	14
15	---	---	---	274.021	274.040	273.812	273.827	273.789	273.747	273.698	---	---	15
16	---	---	---	274.018	274.049	273.818	273.824	273.784	273.744	273.698	---	---	16
17	---	---	---	274.030	274.052	273.818	273.818	273.780	273.744	273.698	---	---	17
18	---	---	---	274.027	274.037	273.809	273.818	273.783	273.738	273.698	---	---	18
19	---	---	---	274.021	274.030	273.898	273.818	273.780	273.738	273.698	---	---	19
20	---	---	---	274.018	274.024	273.898	273.818	273.783	273.738	273.701	---	---	20
21	---	---	---	274.012	274.024	273.890	273.818	273.788	273.744	273.898	---	---	21
22	---	---	---	274.008	274.021	273.881	273.808	273.788	273.744	273.710	---	---	22
23	---	---	---	274.012	274.012	273.881	273.898	273.780	273.741	273.888	---	---	23
24	---	---	---	274.012	274.012	273.887	273.883	273.784	273.738	273.888	---	---	24
25	---	273.888A	---	274.018	274.008	273.921	273.890	273.777	273.735	273.888	---	---	25
26	---	---	---	274.015	274.000	273.924	273.884	273.780	273.728	273.888	---	---	26
27	---	---	---	274.018	274.000	273.918	273.881	273.777	273.728	273.898	---	---	27
28	---	---	---	274.015	274.000	273.912	273.875	273.780	273.732	273.888	---	---	28
29	---	---	---	274.012	273.987	273.908	273.889	273.780	273.738	273.888	---	---	29
30	---		---	274.012	273.987	273.902	273.888	273.780	273.728	273.888	---	---	30
31	---		---		273.987		273.883	273.771		273.888		---	31
MEAN	---	---	---	---	274.025	273.928	273.905	273.804	273.744	273.702	---	---	MEAN
MAX	---	---	---	---	274.055	273.881	273.842	273.857	273.771	273.720	---	---	MAX
MIN	---	---	---	---	273.987	273.881	273.883	273.771	273.728	273.888	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 58 N
LONG 97 48 11 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA,
72.8 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

OVERFLOWING RIVER AT OVERFLOWING RIVER - STATION NO. 05LD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0808	1.318	28.8	20.8	2.38	0.880	0.843	0.711	---	---	1
2	---	---	0.0808	2.288	44.2	18.8	2.14	0.898	0.883	0.720	---	---	2
3	---	---	0.0808	3.308	52.2	17.3	1.98	0.812	0.877	0.738	---	---	3
4	---	---	0.0808	5.018	53.8	16.1	1.77	0.801	0.847	0.748	---	---	4
5	---	---	0.0808	8.898	52.4	14.8	1.82	0.848	0.818	0.758	---	---	5
6	---	---	0.0808	7.488	50.2	13.8	1.88	0.803	0.811	0.770	---	---	6
7	---	---	0.0808	8.888	48.0	12.8	1.73	0.480	0.807	0.778	---	---	7
8	---	---	0.0808	8.308	47.4	11.8	1.52	0.460	0.818	0.818	---	---	8
9	---	---	0.1308	10.4 B	46.8	10.8	1.38	0.420	0.823	0.811	---	---	9
10	---	---	0.1308	11.8 B	46.3	8.88	1.30	0.382	0.478	1.18	---	---	10
11	---	---	0.1308	12.2 B	44.8	8.88	1.24	0.382	0.444	1.38	---	---	11
12	---	---	0.1308	12.8 B	44.2	7.83	1.27	0.344	0.472	1.52	---	---	12
13	---	---	0.1308	13.7 B	43.7	7.14	1.27	0.328	0.817	1.63	---	---	13
14	---	---	0.1308	15.3 B	41.8	6.58	1.33	0.303	0.807	1.81	---	---	14
15	---	---	0.1308	15.9 B	40.5	5.87	1.36	0.308	0.488	1.88	---	---	15
16	---	---	0.1308	18.5 B	38.9	5.58	1.30	0.383	0.488	1.47	---	---	16
17	---	---	0.1308	23.2 B	37.2	5.22	1.27	0.382	0.487	1.48	---	---	17
18	---	---	0.1308	27.5 B	36.4	4.84	1.22	0.278	0.528	1.51	---	---	18
19	---	---	0.1308	27.0 B	34.8	4.51	1.23	0.344	0.534	1.51	---	---	19
20	---	---	0.1308	26.5 B	33.3	3.90	1.21	0.384A	0.532	1.52	---	---	20
21	---	---	0.1308	25.5 B	32.0	3.81	1.17	0.388E	0.508	1.51	---	---	21
22	---	---	0.2108	24.1 B	31.0	3.50	1.10	0.418A	0.521	1.52	---	---	22
23	---	---	0.2108	23.1	28.3	3.82	1.02	0.484	0.885	1.58	---	---	23
24	---	---	0.2108	21.8	28.0	3.32	0.918	0.487	0.580	1.40	---	---	24
25	---	---	0.2108	20.8	27.8	3.46	0.870	0.433	0.542	1.38 B	---	---	25
26	---	---	0.2108	19.8	27.5	3.38	0.815	0.440	0.817	1.34 B	---	---	26
27	---	---	0.2108	18.3	28.8	3.18	0.783	0.478	0.842	1.32	---	---	27
28	---	---	0.2308	18.8	25.8	2.88	0.714	0.482	0.871	1.32 B	---	---	28
29	---	---	0.2508	20.8	24.7	2.74	0.878	0.483	0.710	1.28 B	---	---	29
30	---		0.4308	21.3	23.3	2.54	0.809	0.444	0.738	1.23	---	---	30
31	---		0.7088		22.1		0.894	0.485		1.28		---	31
TOTAL	---	---	5.008	476.70	1 182.8	238.80	39.260	13.328	18.338	38.800	---	---	TOTAL
MEAN	---	---	0.161	15.9	37.5	7.95	1.27	0.430	0.545	1.24	---	---	MEAN
MAX	---	---	0.708	27.5	53.8	20.8	2.38	0.812	0.738	1.63	---	---	MAX
MIN	---	---	0.080	1.31	22.1	2.54	0.894	0.278	0.444	0.711	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.12
MAXIMUM DAILY, 53.8 ON MAY 4
MINIMUM DAILY, 0.0808 ON MAR 1
MAXIMUM INSTANTANEOUS,
54.2 AT 08:21 CST ON MAY 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 15 N
LONG 101 08 30 W
DRAINAGE AREA, 3 530 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 400
FEB	---	AUG	1 180
MAR	433	SEP	1 410
APR	41 200	OCT	3 330
MAY	100 000	NOV	---
JUN	20 800	DEC	---

TOTAL DISCHARGE, 172 000 dam³

OXFORD LAKE AT OXFORD HOUSE - STATION NO. 04AA002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.081	---	---	---	---	---	187.480	187.305	---	---	---	---	1
2	187.081	---	---	---	---	---	187.448	187.293	---	---	---	---	2
3	187.082	---	---	---	---	---	187.438	187.320	---	---	---	---	3
4	187.083	---	---	---	---	---	187.428	187.311	---	---	---	---	4
5	187.078	---	---	---	---	---	187.413	187.310	---	---	---	---	5
6	187.078	---	---	---	---	187.478A	187.410	187.288	---	187.010A	---	---	6
7	187.084	---	---	---	---	187.478	187.423	---	---	187.002	---	---	7
8	187.083	---	---	---	---	187.483	187.428	---	---	187.002	---	---	8
9	187.080	---	---	187.081A	---	187.487	187.401	---	---	187.018A	---	---	9
10	187.073	---	---	187.082	---	187.500	187.393	---	---	187.011A	---	---	10
11	187.082	---	---	187.087	---	187.481	187.388	---	---	186.982A	---	---	11
12	187.084	---	---	187.087	---	187.480	187.385	---	---	186.981	---	---	12
13	187.081	---	---	187.107	---	187.508	187.348	---	---	186.978	---	---	13
14	187.081	---	---	187.058	---	187.508	187.382	---	---	186.983A	---	---	14
15	187.088A	---	---	187.088	---	187.503	187.388	---	---	---	---	---	15
16	---	---	---	187.088	---	187.518	187.388	---	---	---	---	---	16
17	---	---	---	187.092	---	187.504	187.384	---	---	---	---	---	17
18	---	---	---	187.092	---	187.498	187.368	---	---	---	---	---	18
19	---	---	---	187.088	---	187.508	187.381	---	---	---	---	---	19
20	---	---	---	187.088	---	187.508	187.383	---	---	---	---	---	20
21	---	---	---	187.088	---	187.484	187.380	---	---	---	---	---	21
22	---	---	---	187.087	---	187.480	187.348	---	---	---	---	---	22
23	---	---	---	187.088A	---	187.488	187.348	---	---	---	---	---	23
24	---	---	---	---	---	187.478	187.337	---	---	---	---	---	24
25	---	---	---	---	---	187.481	187.324	---	---	---	---	---	25
26	---	---	---	---	---	187.478	187.323	---	---	---	---	---	26
27	---	---	---	---	---	187.484	187.318	---	---	---	---	---	27
28	---	---	---	---	---	187.445	187.338	---	---	---	---	---	28
29	---	---	---	---	---	187.480	187.321	---	---	---	---	---	29
30	---		---	---	---	187.481	187.310	---	---	---	---	---	30
31	---		---		---		187.304	---		---		---	31
MEAN	---	---	---	---	---	---	187.371	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	187.480	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	187.304	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 187.518 ON JUN 16

MAXIMUM INSTANTANEOUS,
187.563 AT 06:43 CST ON JUN 12

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -183.686 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 10 N
LONG 95 17 30 W

A - MANUAL GAUGE

NATURAL FLOW

PANSY DRAIN NEAR SARTO - STATION NO. 05DE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0308	0	0	---	---	---	---	---	---	1
2	---	---	0B	0.REDE	0	0	---	---	---	---	---	---	2
3	---	---	0B	0.0888	0	0	---	---	---	---	---	---	3
4	---	---	0B	0.107	0	0	---	---	---	---	---	---	4
5	---	---	0B	0.054	0	0	---	---	---	---	---	---	5
6	---	---	0B	0.028	0	0	---	---	---	---	---	---	6
7	---	---	0B	0.016	0	0	---	---	---	---	---	---	7
8	---	---	0B	0.011	0.002	0	---	---	---	---	---	---	8
9	---	---	0B	0.00E	0.002	0	---	---	---	---	---	---	9
10	---	---	0B	0.004	0	0	---	---	---	---	---	---	10
11	---	---	0B	0.003	0	0	---	---	---	---	---	---	11
12	---	---	0B	0.004	0	0	---	---	---	---	---	---	12
13	---	---	0B	0.003	0	0	---	---	---	---	---	---	13
14	---	---	0B	0.002	0	0	---	---	---	---	---	---	14
15	---	---	0B	0.002	0	0	---	---	---	---	---	---	15
16	---	---	0B	0.002	0	0	---	---	---	---	---	---	16
17	---	---	0B	0.002	0	0	---	---	---	---	---	---	17
18	---	---	0B	0.001	0	0	---	---	---	---	---	---	18
19	---	---	0B	0.001	0.004	0	---	---	---	---	---	---	19
20	---	---	0B	0.001	0.00E	0	---	---	---	---	---	---	20
21	---	---	0B	0.001	0.004	0	---	---	---	---	---	---	21
22	---	---	0B	0.001	0.003	0	---	---	---	---	---	---	22
23	---	---	0B	0.001	0	0	---	---	---	---	---	---	23
24	---	---	0B	0.001	0	0	---	---	---	---	---	---	24
25	---	---	0B	0.001	0	0	---	---	---	---	---	---	25
26	---	---	0B	0.001	0	0	---	---	---	---	---	---	26
27	---	---	0B	0.001	0	0	---	---	---	---	---	---	27
28	---	---	0B	0.001	0	0	---	---	---	---	---	---	28
29	---	---	0B	0.001	0	0	---	---	---	---	---	---	29
30	---		0B	0	0	0	---	---	---	---	---	---	30
31	---		0B		0		---	---		---		---	31
TOTAL	---	---	0	0.435	0.021	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.015	0.001	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	0.107	0.004	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.107 ON APR 4
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 05 N
LONG 98 43 53 W
DRAINAGE AREA, 29.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	37.6	OCT	---
MAY	1.81	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 39.4 dam³

PARTRIDGE CREEK NEAR ST. MARTIN - STATION NO. 05LM002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	243.518	244.518	244.382	---	---	---	---	---	1
2	---	---	---	---	243.670	244.518	244.348	---	---	---	---	---	2
3	---	---	---	---	244.021	244.508	244.319	---	---	---	---	---	3
4	---	---	---	---	244.008	244.508	244.298	---	---	---	---	---	4
5	---	---	---	---	243.885	244.517	244.231A	---	---	---	---	---	5
6	---	---	---	244.288A	243.840	244.523	---	---	---	---	---	---	6
7	---	---	---	244.183A	244.034	244.502	---	---	---	---	---	---	7
8	---	---	---	244.085	244.084	244.484	---	---	---	---	---	---	8
9	---	---	---	244.008	244.089	244.514	---	---	---	---	---	---	9
10	---	---	---	243.958A	244.007	244.517	---	---	---	---	---	---	10
11	---	---	---	243.932	243.983	244.530	---	---	---	---	---	---	11
12	---	---	---	243.925	243.885	244.518	---	---	---	---	---	---	12
13	---	---	---	243.859	244.084	244.491	---	---	---	---	---	---	13
14	---	---	---	243.820	244.288	244.480	---	---	---	---	---	---	14
15	---	---	---	243.784	244.289	244.430	---	---	---	---	---	---	15
16	---	---	---	243.749	244.388	244.480	---	---	---	---	---	---	16
17	---	---	---	243.703	244.478	244.485	---	---	---	---	---	---	17
18	---	---	---	243.691	244.510	244.478	---	---	---	---	---	---	18
19	---	---	---	243.588	244.481	244.488	---	---	---	---	---	---	19
20	---	---	---	243.958A	244.505	244.477	---	---	---	---	---	---	20
21	---	---	---	243.848	244.507	244.480	---	---	---	---	---	---	21
22	---	---	---	243.843	244.503	244.434	---	---	---	---	---	---	22
23	---	---	---	243.852	244.542	244.440	---	---	---	---	---	---	23
24	---	---	---	243.835	244.523	244.421	---	---	---	---	---	---	24
25	---	---	---	243.812	244.483	244.403	---	---	---	---	---	---	25
26	---	---	---	243.873A	244.488	244.413	---	---	---	---	---	---	26
27	---	---	---	243.787	244.484	244.426	---	---	---	---	---	---	27
28	---	---	---	243.868	244.483	244.412	---	---	---	---	---	---	28
29	---	---	---	243.812	244.485	244.432	---	---	---	---	---	---	29
30	---		---	243.882	244.518	244.452	---	---	---	---	---	---	30
31	---		---		244.548		---	---		---		---	31
MEAN	---	---	---	---	244.275	244.473	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	244.548	244.530	---	---	---	---	---	---	MAX
MIN	---	---	---	---	243.518	244.403	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 244.548 ON MAY 31

MAXIMUM INSTANTANEOUS,
244.573 AT 19:48 CST ON MAY 17

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 81 42 30 N
LONG 98 20 30 W

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA,
142 km²

PELICAN CREEK SOUTH TRIBUTARY NEAR BIRNIE - STATION NO. 05LL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.0148	0.018	0.003	0.002	0	0	0	---	---	1
2	---	---	0	B	0.1158	0.180	0.003	0.002	0	0	0	---	---	2
3	---	---	0	B	0.2308	0.102	0.003	0.001	0	0	0	---	---	3
4	---	---	0	B	0.2738	0.036	0.003	0.001	0	0	0	---	---	4
5	---	---	0	B	0.2028	0.022	0.002	0.001	0	0	0	---	---	5
6	---	---	0	B	0.1888	0.018	0.002	0.001	0	0	0	---	---	6
7	---	---	0.0018		0.1488	0.047	0.002	0.001	0	0	0	---	---	7
8	---	---	0.0018		0.1108	0.048	0.002	0.001	0	0	0	---	---	8
9	---	---	0.0058		0.0878	0.028	0.002	0.001	0	0	0	---	---	9
10	---	---	0.0018		0.0838	0.021	0.002	0.001	0	0	0	---	---	10
11	---	---	0	B	0.0708	0.018	0.002	0.001	0	0	0	---	---	11
12	---	---	0	B	0.074	0.017	0.001	0.001	0	0	0	---	---	12
13	---	---	0	B	0.044	0.015	0.001	0.001	0	0	0	---	---	13
14	---	---	0	B	0.035	0.014	0.001	0.001	0	0	0	---	---	14
15	---	---	0	B	0.027	0.013	0.002	0.001	0	0	0	---	---	15
16	---	---	0	B	0.021	0.012	0.002	0.001	0	0	0	---	---	16
17	---	---	0	B	0.018	0.011	0.003	0.001	0	0	0	---	---	17
18	---	---	0	B	0.018	0.011	0.003	0.001	0	0	0	---	---	18
19	---	---	0	B	0.014	0.011	0.002	0.001	0	0	0	---	---	19
20	---	---	0	B	0.013	0.010	0.002	0.001	0	0	0	---	---	20
21	---	---	0	B	0.008	0.010	0.003	0.001	0	0	0	---	---	21
22	---	---	0.0018		0.008	0.008	0.003	0	0	0	0	---	---	22
23	---	---	0.0028		0.008	0.008	0.002	0	0	0	0	---	---	23
24	---	---	0.0018		0.008	0.008	0.003A	0	0	0	0	---	---	24
25	---	---	0	B	0.008	0.007	0.003A	0 A	0	0	0	---	---	25
26	---	---	0	B	0.008	0.007	0.003	0	0	0	0	---	---	26
27	---	---	0	B	0.007	0.008	0.003	0	0	0	0	---	---	27
28	---	---	0	B	0.008	0.008	0.003	0	0	0	0	---	---	28
29	---	---	0	B	0.010	0.005	0.003	0	0	0	0	---	---	29
30	---		0	B	0.018	0.004	0.002	0	0	0	0	---	---	30
31	---		0	B		0.004		0	0		0		---	31
TOTAL	---	---	0.012		1.880	0.708	0.071	0.023	0	0	0	---	---	TOTAL
MEAN	---	---	0		0.063	0.023	0.002	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.006		0.273	0.180	0.003	0.002	0	0	0	---	---	MAX
MIN	---	---	0		0.008	0.004	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.2738 ON APR 4
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.4148 AT 22:38 CST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 38 N
LONG 99 28 05 W
DRAINAGE AREA, 0.05 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1.89
FEB	---	AUG	0
MAR	1.04	SEP	0
APR	152	OCT	0
MAY	61.0	NOV	---
JUN	6.13	DEC	---

TOTAL DISCHARGE, 232 dam³

PELICAN LAKE NEAR NINETTE - STATION NO. 05BA002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	411.288	411.212	411.082	410.982	410.777	410.777	410.742	---	1
2	---	---	411.238	---	411.288	411.212	411.082	410.982	410.787	410.777	---	---	2
3	---	411.282	---	---	411.278	411.212	411.082	410.982	410.787	410.777	---	---	3
4	---	---	---	---	411.288	411.212	411.082	410.982	410.737	410.787	---	---	4
5	411.235	---	---	---	411.288	411.192	411.072	410.972	410.737	410.787	---	---	5
6	---	---	---	---	411.288	411.182	411.082	410.982	410.727	410.747	---	---	6
7	---	---	---	---	411.288	411.182	411.082	410.942	---	410.747	---	---	7
8	---	---	---	---	411.278	411.172	411.072	410.932	---	410.747	---	410.744	8
9	---	---	---	---	411.278	411.162	411.082	410.902	---	410.747	---	---	9
10	---	---	---	---	411.278	411.122	411.082	410.882	---	410.747	---	---	10
11	---	---	---	---	411.278	411.112	411.082	410.942	410.787	410.747	---	---	11
12	---	---	---	---	411.278	411.112	411.072	410.942	410.787	410.747	---	---	12
13	---	---	---	---	411.188	411.102	411.082	410.942	410.787	---	---	---	13
14	---	---	---	---	411.260	411.122	411.082	410.942	410.787	---	---	---	14
15	---	---	---	---	411.260	411.122	411.082	410.942	410.787	---	---	---	15
16	---	---	411.258	---	411.238E	411.112	411.082	410.932	410.787	---	---	---	16
17	---	---	---	---	411.208	411.112	411.082	410.922	410.787	---	---	---	17
18	---	411.260	---	---	411.220	411.112	411.082	410.922	410.787	---	---	---	18
19	---	---	---	---	411.220	411.112	411.082	410.922	410.847	---	---	---	19
20	411.238	---	---	411.248	411.220	411.102	411.082	410.883	410.847	---	---	---	20
21	---	---	---	411.257	411.220	411.102	411.082	410.882	410.847	---	---	---	21
22	---	---	---	411.257	411.220	411.102	411.042	410.882	410.837	---	---	---	22
23	---	---	---	411.277	411.221	411.102	411.012	410.882	410.837	---	---	---	23
24	---	---	---	411.257	411.221	411.102	411.012	410.882	410.837	---	410.748	---	24
25	---	---	---	411.258	411.221	411.102	411.002	410.838	410.837	---	---	---	25
26	---	---	---	411.218	411.221	411.102	411.002	410.817	410.817	410.748	---	---	26
27	---	---	---	411.258	411.221	411.102	411.002	410.807	410.787	---	---	---	27
28	---	---	---	411.258	411.211	411.082	411.002	410.787	410.787	---	---	---	28
29	---	---	---	411.258	411.211	411.082	411.012	410.787	410 .7	---	---	---	29
30	---		411.252	411.258	411.211	411.092	410.992	410.787	410.737	---	---	---	30
31	---		---		411.211		410.992	410.787		---		---	31
MEAN	---	---	---	---	411.241	411.132	411.049	410.897	---	---	---	---	MEAN
MAX	---	---	---	---	411.288	411.212	411.082	410.982	---	---	---	---	MAX
MIN	---	---	---	---	411.188	411.082	410.992	410.787	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 411.288 ON MAY 2

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 24 00 N
LONG 99 38 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1927

DRAINAGE AREA,
488 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PEMBINA RIVER ABOVE LORNE LAKE - STATION NO. 05DA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0408	0.003	0.064	0.002	0	0	0	---	---	1
2	---	---	0 B	0.1008	0.005	0.080	0.002	0	0	0	---	---	2
3	---	---	0 B	0.0908	0.012	0.085	0.002	0	0	0	---	---	3
4	---	---	0 B	1.20 B	0.018	0.080	0.001	0	0	0	---	---	4
5	---	---	0.0108	1.60 B	0.023	0.065	0.002	0	0	0	---	---	5
6	---	---	0.0308	0.8388	0.025	0.040	0.003E	0	0	0	---	---	6
7	---	---	0.0388	0.625	0.028	0.037	0.002E	0	0	0	---	---	7
8	---	---	0.0228	0.487	0.047	0.024	0.002E	0	0	0	---	---	8
9	---	---	0.0188	0.357	0.048	0.030	0.001E	0	0	0	---	---	9
10	---	---	0.0148	0.308	0.047	0.028	0.001E	0	0	0	---	---	10
11	---	---	0.0128	0.248	0.048	0.028	0.001E	0	0	0	---	---	11
12	---	---	0.0108	0.212	0.052	0.024	0.004E	0	0	0	---	---	12
13	---	---	0.0108	0.185	0.051	0.020	0.002E	0	0	0	---	---	13
14	---	---	0.0088	0.161	0.055	0.040	0.001E	0	0	0	---	---	14
15	---	---	0.0088	0.182	0.061	0.020	0.001E	0	0	0	---	---	15
16	---	---	0.0088	0.155	0.062	0.015	0.001E	0	0	0	---	---	16
17	---	---	0.0088	0.141	0.058	0.050	0	0	0	0	---	---	17
18	---	---	0.0088	0.110	0.078	0.030	0	0	0	0	---	---	18
19	---	---	0.0048	0.077	0.087	0.010	0	0	0	0	---	---	19
20	---	---	0.0048	0.081	0.089	0.006	0	0	0	0	---	---	20
21	---	---	0.0048	0.034	0.087	0.008	0	0	0	0	---	---	21
22	---	---	0.0108	0.024	0.078	0.005	0	0	0	0	---	---	22
23	---	---	0.0358	0.011	0.084	0.005	0	0	0	0	---	---	23
24	---	---	0.0808	0.018	0.095	0.005	0	0	0	0	---	---	24
25	---	---	0.0808	0.011	0.114	0.004	0	0	0	0	---	---	25
26	---	---	0.0808	0.008	0.093	0.004	0	0	0	0	---	---	26
27	---	---	0.0458	0.008	0.107	0.004	0	0	0	0	---	---	27
28	---	---	0.0408	0.004	0.080	0.003	0	0	0	0	---	---	28
29	---	---	0.0388	0.004	0.083	0.003	0	0	0	0	---	---	29
30	---		0.0388	0.003	0.085	0.003	0	0	0	0	---	---	30
31	---		0.0388		0.088		0	0		0		---	31
TOTAL	---	---	0.838	8.221	1.819	0.728	0.028	0	0	0	---	---	TOTAL
MEAN	---	---	0.021	0.274	0.059	0.024	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.080	1.60	0.114	0.064	0.004	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0.003	0.003	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.047
MAXIMUM DAILY, 1.600 ON APR 5
MINIMUM DAILY, 0.0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 99 27 44 W
DRAINAGE AREA, 542 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.42
FEB	---	AUG	0
MAR	88.1	SEP	0
APR	710	OCT	0
MAY	187	NOV	---
JUN	82.7	DEC	---

TOTAL DISCHARGE, 987 dam³

PEMBINA RIVER AT NECHE - STATION NO. 05DC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1848	0.0858	0.083	3.48	1.87	1.08	0.201	0.010E	0.010E	0.001E	0.042E	0.1708	1
2	0.1818	0.0828	0.105	3.01	1.87	0.951	0.218	0.012E	0.009E	0.001E	0.057E	0.1848	2
3	0.1768	0.0798	0.110	4.73	1.84	0.909	0.212	0.012E	0.008E	0.001E	0.071E	0.1898	3
4	0.1768	0.0748	0.105	7.26	1.58	0.831	0.193	0.012E	0.007E	0.001E	0.071E	0.1838	4
5	0.1728	0.0888	0.133	10.3	1.50	0.795	0.0958	0.012E	0.006E	0.001E	0.071E	0.1838	5
6	0.1708	0.0858	0.187	11.2	1.53	0.708	0.008E	0.012E	0.005E	0.001E	0.071E	0.1598	6
7	0.1678	0.0828	0.261	8.88	1.58	0.651	0.008E	0.012E	0.004E	0.002E	0.071E	0.1478	7
8	0.1278	0.0888	0.228	7.02	1.60	0.598	0.184	0.011E	0.004E	0.002E	0.071E	0.1428	8
9	0.1278	0.0578	0.340	5.39	1.63	0.538	0.133	0.011E	0.003E	0.002E	0.088E	0.1368	9
10	0.1278	0.0878	0.510	5.66	1.76	0.481	0.110	0.010E	0.003E	0.001E	0.088E	0.1138	10
11	0.1278	0.0848	0.880	5.16	1.70	0.481	0.110	0.010E	0.002E	0.001E	0.071E	0.1088	11
12	0.1278	0.0848	1.10	4.58	1.66	0.453	0.123	0.008E	0.002E	0.002E	0.088E	0.0888	12
13	0.1108	0.0848	1.78	4.06	1.47	0.453	0.187	0.010E	0.002E	0.005E	0.088E	0.0818	13
14	0.0888	0.0848	1.70	3.71	1.50	0.398	0.133	0.010E	0.002E	0.006E	0.088E	0.0888	14
15	0.0868	0.0848	1.58	3.61	1.50	0.425	0.133	0.010E	0.002E	0.006E	0.088E	0.0888	15
16	0.1268	0.0818	1.50	3.17	1.61	0.398	0.102	0.010E	0.002E	0.006E	0.088B	0.0888	16
17	0.1188	0.0818	1.53	2.68	1.87	0.398	0.102	0.010E	0.002E	0.006E	0.088B	0.0788	17
18	0.1038	0.0848	1.38	2.78	1.61	0.398	0.088	0.014E	0.002E	0.007E	0.108B	0.0748	18
19	0.0888	0.0848	1.30	2.61	1.87	0.398	0.088	0.014E	0.001E	0.008E	0.113B	0.0718	19
20	0.0868	0.0818	1.22	2.44	1.81	0.311	0.074	0.014E	0.001E	0.010E	0.088B	0.0888	20
21	0.0868	0.0378	1.22	2.36	1.81	0.283	0.088	0.014E	0.001E	0.012E	0.098B	0.0628	21
22	0.0838	0.0428	1.18	2.32	1.87	0.248	0.082	0.014E	0.001E	0.027E	0.113B	0.0888	22
23	0.0838	0.0428	1.18	2.21	1.88	0.241	0.084	0.013E	0.001E	0.028E	0.088B	0.0548	23
24	0.0838	0.0408	1.18	2.12	1.80	0.288	0.037	0.013E	0.001E	0.028E	0.057B	0.0408	24
25	0.0838	0.0378	1.18	1.96	1.44	0.248	0.012E	0.013E	0.001E	0.026E	0.042B	0.0288	25
26	0.0838	0.0428	1.27	1.80	1.38	0.288	0.010E	0.013E	0.001E	0.026E	0.042B	0.0288	26
27	0.0818	0.108	3.31	1.86	1.47	0.248	0.009E	0.013E	0.001E	0.024E	0.042B	0.0288	27
28	0.0868	0.118	3.74	1.87	1.27	0.232	0.008E	0.013E	0.001E	0.027E	0.057B	0.0258	28
29	0.0888	0.089	3.00	1.81	1.22	0.218	0.007E	0.012E	0.001E	0.027E	0.057B	0.0258	28
30	0.0888		2.88	1.73	1.22	0.195	0.008E	0.011E	0.001E	0.027E	0.071B	0.0178	28
31	0.0888		2.84		1.16		0.010E	0.010E		0.027E	0.176B	0.0138	30
										0.026E		0.0118	31
TOTAL	3.708	1.788	38.988	123.95	47.33	14.068	2.888	0.384	0.087	0.352	2.288	3.885	TOTAL
MEAN	0.120	0.062	1.26	4.13	1.53	0.488	0.093	0.012	0.003	0.011	0.078	0.087	MEAN
MAX	0.184	0.118	3.74	11.2	1.78	1.08	0.218	0.015	0.010	0.038	0.178	0.170	MAX
MIN	0.088	0.037	0.083	1.73	1.16	0.195	0.007	0.008	0.001	0.001	0.042	0.011	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.852
MAXIMUM DAILY, 11.2 ON APR 6
MINIMUM DAILY, 0.001E ON SEP 18
MAXIMUM INSTANTANEOUS,
11.9 AT 10:40 CST ON APR 5

SUMMARY FOR THE YEAR 1986

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 20 N
LONG 97 33 05 W
DRAINAGE AREA, 8 470 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	330	JUL	248
FEB	154	AUG	33.2
MAR	3 370	SEP	7.92
APR	10 700	OCT	30.4
MAY	4 080	NOV	186
JUN	1 210	DEC	232

TOTAL DISCHARGE, 20 600 dam³

PEMBINA RIVER BELOW CRYSTAL CREEK - STATION NO. 05OB033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0328	0.0018	0.0988	0.1788	0.187	0.063	0.018	0.001	0	0.001	0.012	0.0078	1
2	0.0188	0.0018	0.0728	0.3608	0.233	0.063	0.017	0.001	0	0.001	0.014	0.0088	2
3	0.0178	0.0018	0.0588	0.3508	0.190	0.058	0.021	0.002	0	0.001	0.014	0.0078	3
4	0.0148	0.0018	0.0338	0.3308	0.098	0.037	0.021	0.001	0	0.001	0.013	0.0078	4
5	0.0118	0.0018	0.0318	0.3108	0.073	0.039	0.033	0.001	0	0.001	0.012	0.0088	5
6	0.0068	0.0018	0.0838	0.2978	0.084	0.042	0.027	0.001	0	0.001	0.008	0.0088	6
7	0.0068	0.0018	0.0678	0.334	0.088	0.034	0.026	0.001	0	0.001	0.010	0.0088	7
8	0.0068	0.0018	0.0618	0.311	0.110	0.038	0.018	0.001	0	0.001	0.010	0.0088	8
9	0.0048	0.0018	0.0588	0.347	0.107	0.038	0.014	0	0	0.002	0.008	0.0088	9
10	0.0038	0.0018	0.0638	0.110	0.093	0.024	0.013	0	0	0.002	0.008	0.0088	10
11	0.0038	0.0018	0.0988	0.082	0.081	0.023	0.011	0	0	0.002	0.008	0.0088	11
12	0.0028	0.0018	0.0908	0.068	0.087	0.031	0.013	0	0	0.003	0.007	0.0048	12
13	0.0018	0.0018	0.0858	0.061	0.088	0.032	0.020	0	0	0.002	0.0078	0.0048	13
14	0.0018	0.0018	0.0808	0.058	0.084	0.042	0.018	0	0	0.002	0.0078	0.0048	14
15	0.0018	0.0018	0.0788	0.055	0.081	0.050	0.013	0	0	0.003	0.0088	0.0048	15
16	0.0018	0.0018	0.0788	0.054	0.078	0.037	0.008	0	0.001	0.003	0.0118	0.0048	16
17	0.0018	0.0028	0.0788	0.057	0.078	0.021	0.008	0	0.001	0.003	0.0088	0.0048	17
18	0.0018	0.0088	0.0788	0.058	0.081	0.028	0.008	0	0.004	0.003	0.0088	0.0048	18
19	0.0018	0.0108	0.0748	0.051	0.113	0.024	0.008	0	0.004	0.003	0.0078	0.0048	19
20	0.0018	0.0108	0.0748	0.043	0.187	0.020	0.008	0	0.002	0.003	0.0088	0.0048	20
21	0.0018	0.0088	0.0748	0.040	0.100	0.021	0.005	0	0.002	0.003	0.0078	0.0038	21
22	0.0018	0.0088	0.0888	0.043	0.086	0.022	0.005	0	0.001	0.006	0.0088	0.0038	22
23	0.0018	0.0088	0.1018	0.053	0.088	0.020	0.005	0	0.001	0.008	0.0088	0.0038	23
24	0.0013	0.0088	0.1308	0.064	0.084	0.020	0.004	0	0.001	0.006	0.0078	0.0038	24
25	0.0018	0.0108	0.1508	0.081	0.086	0.018	0.004	0	0.001	0.008	0.0088	0.0038	25
26	0.0018	0.0288	0.1488	0.081	0.063	0.021	0.005	0	0.001	0.007	0.0088	0.0038	26
27	0.0018	0.0148	0.1408	0.058	0.043	0.021	0.004	0	0.001	0.013	0.0088	0.0038	27
28	0.0018	0.1088	0.1388	0.061	0.047	0.021	0.003	0	0.001	0.014	0.0088	0.0038	28
29	0.0018	0.1858	0.1308	0.057	0.053	0.018	0.002	0	0.001	0.016	0.0048	0.0038	29
30	0.0018		0.1348	0.053	0.048	0.018	0.001	0	0.001	0.014	0.0078	0.0038	30
31	0.0018		0.1388		0.043		0.001	0		0.013		0.0038	31
TOTAL	0.133	0.401	3.775	3.741	2.751	0.888	0.350	0.009	0.033	0.137	0.283	0.137	TOTAL
MEAN	0.004	0.014	0.080	0.135	0.088	0.029	0.011	0	0.001	0.004	0.008	0.004	MEAN
MAX	0.022	0.186	0.150	0.360	0.233	0.063	0.033	0.002	0.004	0.016	0.014	0.008	MAX
MIN	0.001	0.001	0.031	0.040	0.043	0.018	0.001	0	0	0.001	0.004	0.003	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.032
MAXIMUM DAILY, 0.3508 ON APR 3
MINIMUM DAILY, 0 ON AUG 8
MAXIMUM INSTANTANEOUS,
0.423 AT 22:42 CST ON APR 8

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 18 N
LONG 99 02 03 W
DRAINAGE AREA, 4 490 km²

B - ICE CONDITIONS

REGULATED SINCE 1940

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11.5	JUL	30.2
FEB	34.8	AUG	0.78
MAR	340	SEP	1.50
APR	333	OCT	11.8
MAY	238	NOV	21.8
JUN	76.8	DEC	11.8

TOTAL DISCHARGE, 1 000 dam³

PEMBINA RIVER NEAR KILLARNEY - STATION NO. 05OA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0038	0.084	0.038	0.003	0	0	0	---	---	1
2	---	---	0.0038	0.0138	0.078	0.028	0.003	0	0	0	---	---	2
3	---	---	0.0088	0.0368	0.073	0.038	0.002	0	0	0	---	---	3
4	---	---	0.0188	1.48 B	0.082	0.028	0.002	0	0	0	---	---	4
5	---	---	0.0268	1.27 B	0.086	0.023	0.002	0	0	0	---	---	5
6	---	---	0.0388	0.8988	0.084	0.030	0.001	0	0	0	---	---	6
7	---	---	0.0838	0.4218	0.084	0.017	0.002	0	0	0	---	---	7
8	---	---	0.0838	0.3868	0.086	0.012	0.002	0	0	0	---	---	8
9	---	---	0.0878	0.187	0.086	0.011	0.001	0	0	0	---	---	9
10	---	---	0.0788	0.178	0.083	0.008	0.001	0	0	0	---	---	10
11	---	---	0.0708	0.138	0.078	0.008	0.001	0	0	0	---	---	11
12	---	---	0.0488	0.123	0.078	0.007	0.001	0	0	0	---	---	12
13	---	---	0.0338	0.117	0.074	0.008	0.001	0	0	0	---	---	13
14	---	---	0.0308	0.088	0.088	0.007	0.001	0	0	0	---	---	14
15	---	---	0.0288	0.088	0.088	0.010	0.001	0	0	0	---	---	15
16	---	---	0.0218	0.088	0.084	0.011	0.001	0	0	0	---	---	16
17	---	---	0.0188	0.084	0.081	0.011	0	0	0	0	---	---	17
18	---	---	0.0178	0.080	0.084	0.010	0	0	0	0	---	---	18
19	---	---	0.0188	0.084	0.088	0.010	0	0	0	0	---	---	19
20	---	---	0.0148	0.088	0.084	0.008	0	0	0	0	---	---	20
21	---	---	0.0138	0.087	0.084	0.008	0	0	0	0	---	---	21
22	---	---	0.0188	0.083	0.088	0.008	0	0	0	0	---	---	22
23	---	---	0.0318	0.083	0.083	0.008	0	0	0	0	---	---	23
24	---	---	0.0588	0.086	0.047	0.007	0	0	0	0	---	---	24
25	---	---	0.0678	0.077	0.044	0.007	0	0	0	0	---	---	25
26	---	---	0.0088	0.078	0.041	0.008	0	0	0	0	---	---	26
27	---	---	0.0018	0.086	0.041	0.008	0	0	0	0	---	---	27
28	---	---	0.0018	0.080	0.038	0.005	0	0	0	0	---	---	28
29	---	---	0 B	0.088	0.034	0.004	0	0	0	0	---	---	29
30	---		0 B	0.084	0.038	0.004	0	0	0	0	---	---	30
31	---		0 B		0.031		0	0		0		---	31
TOTAL	---	---	0.676	7.094	2.009	0.356	0.026	0	0	0	---	---	TOTAL
MEAN	---	---	0.026	0.236	0.065	0.012	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.063	1.48	0.084	0.038	0.003	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0.031	0.004	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.062
MAXIMUM DAILY, 1.488 ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.538 AT 01:49 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 41 N
LONG 99 44 36 W
DRAINAGE AREA, 354 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.18
FEB	---	AUG	0
MAR	75.8	SEP	0
APR	613	OCT	0
MAY	174	NOV	---
JUN	30.8	DEC	---

TOTAL DISCHARGE, 895 dam³

PEMBINA RIVER NEAR WINDYGATES - STATION NO. 05DB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0488	0 B	0.1118	0.6598	0.836	0.334	0.003	0	0	0	0	0B	1
2	0.0488	0 B	0.1368	1.38 B	0.648	0.330	0.003	0	0	0	0	0B	2
3	0.0348	0 B	0.0838	3.18 B	0.634	0.308	0.002	0	0	0	0	0B	3
4	0.0368	0 B	0.2138	4.02 B	0.785	0.288	0.003	0	0	0	0	0B	4
5	0.0238	0 B	0.3678	3.87 B	0.742	0.235	0.004	0	0	0	0	0B	5
6	0.0148	0 B	0.3678	3.80	0.713	0.185	0.007	0	0	0	0	0B	6
7	0.0138	0 B	0.3348	3.63	0.770	0.189	0.018	0	0	0	0	0B	7
8	0.0088	0 B	0.3638	3.48	0.656	0.142	0.008	0	0	0	0	0B	8
9	0.0088	0 B	0.3348	2.98	0.641	0.104	0.003	0	0	0	0	0B	9
10	0.0038	0 B	0.3448	2.83	0.784	0.137	0.002	0	0	0	0	0B	10
11	0.0028	0 B	0.6848	2.38	0.783	0.107	0.001	0	0	0	0	0B	11
12	0 B	0 B	0.6318	2.18	0.686	0.126	0.002	0	0	0	0	0B	12
13	0 B	0 B	0.3868	1.98	0.878	0.113	0.004	0	0	0	0	0B	13
14	0 B	0 B	0.3148	1.78	0.863	0.088	0.001	0	0	0	0	0B	14
15	0 B	0 B	0.2788	1.68	0.888	0.103	0	0	0	0	0	0B	15
16	0 B	0 B	0.2488	1.47	0.883	0.077	0	0	0	0	0B	0B	16
17	0 B	0 B	0.2478	1.38	0.908	0.084	0	0	0	0	0B	0B	17
18	0 B	0 B	0.2388	1.38	0.887	0.087	0	0	0	0	0B	0B	18
19	0 B	0 B	0.2648	1.40	0.788	0.072	0	0	0	0	0B	0B	19
20	0 B	0 B	0.2818	1.20	0.868	0.078	0	0	0	0	0B	0B	20
21	0 B	0 B	0.3308	1.18	0.830	0.078	0	0	0	0	0B	0B	21
22	0 B	0 B	0.4078	1.18	0.785	0.072	0	0	0	0	0B	0B	22
23	0 B	0 B	0.8358	1.14	0.783	0.084	0	0	0	0	0B	0B	23
24	0 B	0 B	0.8868	1.18	0.842	0.034	0	0	0	0	0B	0B	24
25	0 B	0 B	1.02 B	1.13	0.838	0.018	0	0	0	0	0B	0B	25
26	0 B	0.0018	0.8788	1.08	0.878	0.013	0	0	0	0	0B	0B	26
27	0 B	0.0058	0.8898	1.01	0.857	0.008	0	0	0	0	0B	0B	27
28	0 B	0.0388	1.01 B	0.948	0.806	0.011	0	0	0	0	0B	0B	28
29	0 B	0.0948	0.9948	1.01	0.803	0.008	0	0	0	0	0B	0B	29
30	0 B		0.8718	1.00	0.418	0.003	0	0	0	0	0B	0B	30
31	0 B		0.7898		0.377		0			0		0B	31
TOTAL	0.218	0.138	15.427	58.088	23.738	3.418	0.081	0	0	0	0	0	TOTAL
MEAN	0.007	0.005	0.496	1.87	0.765	0.114	0.002	0	0	0	0	0	MEAN
MAX	0.048	0.094	1.02	4.02	0.983	0.330	0.018	0	0	0	0	0	MAX
MIN	0	0	0.083	0.858	0.377	0.003	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.271
MAXIMUM DAILY, 4.028 ON APR 4
MINIMUM DAILY, 0B ON JAN 12
MAXIMUM INSTANTANEOUS,
5.058 AT 06:33 CST ON APR 4

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 53 N
LONG 98 16 40 W
DRAINAGE AREA, 7 500 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	18.8	JUL	8.27
FEB	11.8	AUG	0
MAR 1 330		SEP	0
APR 4 880		OCT	0
MAY 2 060		NOV	0
JUN	288	DEC	0

TOTAL DISCHARGE, 8 880 dam³

PIGEON RIVER AT OUTLET OF ROUND LAKE - STATION NO. 05RD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.8B	10.8 B	10.1 E	15.8A	32.7E	47.4A	64.8	68.1	36.8	30.3	21.0	16.6	1
2	13.3B	10.8 B	9.80E	15.8A	33.8E	48.8	65.2	66.1	36.6	30.1	20.6	16.6	2
3	13.1B	10.7 B	9.70E	15.4A	33.6E	47.1	65.7	67.1	36.0	29.6	20.4	16.7	3
4	13.0B	10.6 B	9.60E	15.6E	33.6E	47.7	65.0	66.3	35.0	29.1	20.3	16.6	4
5	12.9B	10.6 B	9.90E	16.3E	34.4E	46.3	64.3	66.0	34.3	28.4	19.9	16.6	5
6	13.0B	10.6 B	10.1 E	16.4E	35.2E	46.5	66.0	64.1	33.6	28.3	19.7	16.6	6
7	13.7B	10.5 B	10.3 E	16.7E	36.4E	46.3	65.5	63.6	33.2	27.6	19.6	16.6	7
8	13.0B	10.4 B	10.7 E	16.8E	37.3E	47.6	66.6	61.8	32.7	27.6	19.5	16.4A	8
9	12.9B	10.4 B	11.4 E	16.9E	38.2E	47.7	66.5	60.8	32.3	27.2	19.3	16.4B	9
10	12.4B	10.5 B	11.7 E	16.9E	39.3E	47.9	66.3	60.6	31.8	26.6	19.1	16.3B	10
11	12.3B	10.3 B	12.2 E	17.0E	39.0E	48.3	66.2	60.6	30.7	26.3	19.1	16.3B	11
12	12.3B	10.1 B	12.6 E	17.2E	38.7E	48.7	66.7	60.0	30.6	26.8	19.1	16.2B	12
13	12.2B	9.80B	12.6 E	17.4E	37.6E	48.7	70.8	61.7	30.6	26.4	19.1	16.2B	13
14	12.1B	9.80B	12.6 E	17.6E	32.2E	48.8	71.4	61.0	30.1	26.0	19.1	16.1B	14
15	12.0B	9.70B	13.1 E	17.6E	33.9E	49.2	71.5	60.3	29.7	24.9	19.1	16.1B	15
16	11.9B	9.70B	13.3 A	16.2E	33.6E	50.0	71.5	65.6	28.4	24.2	19.0	16.2B	16
17	11.8B	9.60E	13.4	16.6E	34.2E	50.7	71.4	64.3	28.4	24.0	19.0	16.2B	17
18	11.7B	9.60E	13.5	16.7E	34.6E	51.5	71.0	63.8	28.4	23.6	18.9	16.4B	18
19	11.6B	9.40E	13.5	16.0E	35.6E	52.4	71.4	63.1	28.3	23.3	18.8	16.6B	19
20	11.6B	9.30E	13.3	15.3E	36.1E	53.4	70.8	62.7	28.7	23.0	18.8	16.6B	20
21	12.3B	9.30E	13.3	15.6E	36.7E	53.9	70.1	62.3	28.8	22.6	18.8	16.7B	21
22	12.1B	9.20E	13.3	15.7E	37.3E	53.6	69.5	62.2	28.3	22.5	18.4	16.8B	22
23	12.0B	9.40E	13.3	15.6E	37.6E	54.5	68.7	62.0	30.3	22.3	18.4	16.9B	23
24	11.8B	9.40E	13.6	20.3E	38.6E	55.1	67.6	61.6	30.7	22.1	18.4	16.1B	24
25	11.7B	9.60E	14.6	20.7E	39.2E	57.6	66.6	60.3	30.7	22.1	18.4	15.2B	25
26	11.6B	9.60E	14.8	21.0E	39.6E	58.9	65.7	59.5	30.7	21.8	18.4	15.4B	26
27	11.7B	9.60E	15.1	21.4E	40.4E	60.3	64.7	59.3	31.0	21.7	18.4	15.5B	27
28	11.6B	9.60E	15.5	21.7E	41.6E	62.0	63.6	59.0	30.6	21.3	18.4	15.6B	28
29	11.6B	10.3 E	15.6 A	22.0E	43.3E	62.6	62.6	58.6	30.6	21.1	18.5	15.7B	29
30	11.3B		15.6 A	23.3E	43.1E	63.6	61.5	58.0	30.6	21.0	18.5	15.8B	30
31	11.1B		15.6 A		43.0E		60.2	57.4		21.0		20.0B	31
TOTAL	377.3	285.60	384.70	553.6	1 026.4	1 580.7	2 085.6	1 941.7	943.7	770.6	573.7	580.6	TOTAL
MEAN	12.2	9.86	12.7	16.6	33.1	52.0	67.8	46.6	31.6	24.9	18.1	16.7	MEAN
MAX	13.8	10.8	15.6	22.3	43.3	63.6	71.5	65.1	36.8	30.3	21.0	20.0	MAX
MIN	11.1	9.30	9.90	15.8	32.7	46.3	60.2	57.4	28.7	21.0	18.4	16.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.0
MAXIMUM DAILY, 71.5 ON JUL 15
MINIMUM DAILY, 9.20E ON FEB 22
MAXIMUM INSTANTANEOUS,
72.0 AT 11:45 CST ON JUL 15

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 49 N
LONG 98 23 37 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	32 800	JUL	181 000
FEB	25 000	AUG	125 000
MAR	34 100	SEP	81 500
APR	47 800	OCT	68 500
MAY	88 700	NOV	49 500
JUN	135 000	DEC	50 200

TOTAL DISCHARGE, 817 000 dam³

PILOT CREEK NEAR PILOT MOUND - STATION NO. 05OD026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.088E	0	0	0	E	0	0	---	---	1
2	---	---	0 B	0.071	0	0	0	E	0	0	---	---	2
3	---	---	0 B	0.080	0	0	0	E	0	0	---	---	3
4	---	---	0 B	0.083	0	0	0	E	0	0	---	---	4
5	---	---	0 B	0.084	0	0	0	E	0	0	---	---	5
6	---	---	0 B	0.030	0	0	0.126	E	0	0	---	---	6
7	---	---	0 B	0.030	0	0	0	E	0	0	---	---	7
8	---	---	0 B	0.028E	0	0	0	E	0	0	---	---	8
9	---	---	0 B	0.021E	0	0	0	E	0	0	---	---	9
10	---	---	0 B	0.018E	0	0	0	E	0	0	---	---	10
11	---	---	0 B	0.015E	0	0	0	E	0	0	---	---	11
12	---	---	0 B	0.011E	0	0	0	E	0	0	---	---	12
13	---	---	0 B	0.008E	0	0	0	E	0	0	---	---	13
14	---	---	0 B	0.005E	0	0	0	E	0	0	---	---	14
15	---	---	0 B	0.002E	0	0	0	E	0	0	---	---	15
16	---	---	0 B	0	0	0	0	E	0	0	---	---	16
17	---	---	0 B	0	0	0	0	E	0	0	---	---	17
18	---	---	0 B	0	0	0	0	E	0	0	---	---	18
19	---	---	0 B	0	0	0	0	E	0	0	---	---	19
20	---	---	0 B	0	0	0	0	E	0	0	---	---	20
21	---	---	0 B	0	0	0	0	E	0	0	---	---	21
22	---	---	0.005E	0	0	0	0	E	0	0	---	---	22
23	---	---	0.019E	0	0	0	0	E	0	0	---	---	23
24	---	---	0.031E	0	0	0	0	E	0	0	---	---	24
25	---	---	0.030E	0	0	0	0	E	0	0	---	---	25
26	---	---	0.028E	0	0	0	0	E	0	0	---	---	26
27	---	---	0.028E	0	0	0	0	E	0	0	---	---	27
28	---	---	0.024E	0	0	0	0	E	0	0	---	---	28
29	---	---	0.022E	0	0	0	0	E	0	0	---	---	29
30	---		0.020E	0	0	0	0	E	0	0	---	---	30
31	---		0.018E	0		0	E			0		---	31
TOTAL	---	---	0.223	0.532	0	0	0.126	0	0	0	---	---	TOTAL
MEAN	---	---	0.007	0.017	0	0	0.004	0	0	0	---	---	MEAN
MAX	---	---	0.031	0.083	0	0	0.126	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.126 ON JUL 6
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.01 AT 09:19 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 34 N
LONG 96 57 06 W
DRAINAGE AREA, 147 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10.8
FEB	---	AUG	0
MAR	19.3	SEP	0
APR	46.1	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 76.2 dam³

PINE CREEK DIVERSION NEAR PINEY - STATION NO. 05OD027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.168B	0.116B	0.127B	0.280B	0.472	0.360	0.218	0.169	0.128	0.136	0.261B	0.234B	1
2	0.177B	0.116B	0.127B	0.700B	0.472	0.360	0.224	0.161	0.128	0.132	0.264B	0.213B	2
3	0.168B	0.116B	0.127B	1.00 B	0.473	0.342	0.223	0.156	0.133	0.134	0.264B	0.203B	3
4	0.169B	0.116B	0.130B	1.33 B	0.471	0.322	0.213	0.150	0.138	0.135	0.262B	0.198B	4
5	0.146B	0.116B	0.133B	1.64 B	0.456	0.313	0.236	0.147	0.128	0.138	0.276B	0.168B	5
6	0.134B	0.116B	0.133B	1.81 B	0.456	0.300	0.835	0.147	0.130	0.140	0.282B	0.178B	6
7	0.124B	0.116B	0.133B	1.62 B	0.461	0.269	5.55	0.138	0.131	0.141	0.237B	0.165B	7
8	0.124B	0.114B	0.133B	1.47 B	0.461	0.318	3.86	0.128	0.129	0.144	0.231B	0.142B	8
9	0.124B	0.114B	0.133B	1.38 B	0.504	0.286	1.48	0.126	0.128	0.145	0.224B	0.129B	9
10	0.123B	0.114B	0.133B	1.07 B	0.506	0.266	0.836	0.131	0.129	0.150	0.222B	0.110B	10
11	0.123B	0.114B	0.133B	0.782B	0.486	0.350	0.344	0.131	0.187	0.155	0.211B	0.110B	11
12	0.123B	0.113B	0.133B	0.568B	0.516	0.353	0.261	0.127	0.178	0.159	0.220B	0.087B	12
13	0.122B	0.113B	0.133B	0.407B	0.486	0.350	0.331	0.124	0.163	0.162	0.216B	0.087B	13
14	0.122B	0.113B	0.133B	0.458B	0.436	0.352	0.302	0.151	0.153	0.155	0.212B	0.088B	14
15	0.122B	0.112B	0.138B	0.422B	0.426	0.298	0.266	0.150	0.148	0.155	0.207B	0.153B	15
16	0.121B	0.113B	0.143B	0.424	0.420	0.271	0.257	0.138	0.158	0.155	0.194B	0.188B	16
17	0.121B	0.113B	0.143B	0.453	0.429	0.326	0.237	0.156	0.176	0.163	0.230B	0.176B	17
18	0.121B	0.113B	0.143B	0.485	0.384	0.330	0.221	0.148	0.168	0.180	0.189B	0.176B	18
19	0.120B	0.113B	0.143B	0.482	0.388	0.337	0.206	0.137	0.184	0.192	0.185B	0.184B	19
20	0.120B	0.113B	0.143B	0.470	0.460	0.308	0.189	0.133	0.188	0.200	0.188B	0.188B	20
21	0.120B	0.113B	0.148B	0.450	0.448	0.286	0.207	0.138	0.170	0.201	0.192B	0.195B	21
22	0.119B	0.113B	0.154B	0.443	0.421	0.274	0.201	0.155	0.161	0.208	0.193B	0.195B	22
23	0.118B	0.113B	0.154B	0.430	0.412	0.282	0.189	0.149	0.147	0.229	0.198B	0.181B	23
24	0.118B	0.113B	0.154B	0.438	0.389	0.280	0.185	0.148	0.140	0.238	0.198B	0.186B	24
25	0.118B	0.113B	0.154B	0.429	0.378	0.280	0.185	0.137	0.134	0.229	0.194B	0.163B	25
26	0.118B	0.117B	0.154B	0.426	0.378	0.264	0.176	0.132	0.128	0.228	0.193B	0.172B	26
27	0.118B	0.123B	0.154B	0.426	0.388	0.244	0.189	0.128	0.132	0.236B	0.189B	0.172B	27
28	0.117B	0.127B	0.154B	0.421	0.457	0.248	0.184	0.133	0.130	0.261B	0.216B	0.167B	28
29	0.117B	0.127B	0.154B	0.428	0.748	0.238	0.158	0.137	0.134	0.240B	0.234B	0.188B	29
30	0.117B		0.154B	0.470	0.519	0.228	0.153	0.133	0.134	0.236B	0.230B	0.161B	30
31	0.117B		0.154B		0.421		0.160	0.126		0.240B		0.158B	31
TOTAL	3.976	3.328	4.382	21.341	14.088	8.737	18.127	4.367	4.380	5.885	6.843	5.088	TOTAL
MEAN	0.128	0.115	0.141	0.711	0.454	0.291	0.585	0.141	0.146	0.184	0.221	0.164	MEAN
MAX	0.188	0.127	0.154	1.84	0.748	0.360	5.55	0.169	0.188	0.261	0.264	0.234	MAX
MIN	0.117	0.112	0.127	0.280	0.385	0.228	0.153	0.121	0.128	0.132	0.185	0.087	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.274
MAXIMUM DAILY, 5.55 ON JUL 7
MINIMUM DAILY, 0.0870 ON DEC 13
MAXIMUM INSTANTANEOUS,
5.88 AT 13:47 CST ON JUL 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 25 N
LONG 95 58 40 W
DRAINAGE AREA, 157 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	343	JUL	1 570
FEB	286	AUG	376
MAR	378	SEP	376
APR	1 840	OCT	492
MAY	1 220	NOV	574
JUN	755	DEC	440

TOTAL DISCHARGE, 8 880 dam³

PINE CREEK NEAR MELBOURNE - STATION NO. 05LL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1188	0.0898	0.1888	0.208	0.230	0.108	0.091	0.083	0.085	0.088	0.073	0.0742	1
2	0.1188	0.0878	0.2248	0.277	0.238	0.105	0.092	0.086	0.085	0.088	0.078	0.0788	2
3	0.1188	0.0868	0.1898	0.304	0.277	0.107	0.093	0.087	0.084	0.086	0.082	0.0788	3
4	0.1088	0.0878	0.1678	0.341	0.281	0.101	0.093	0.082	0.084	0.080	0.081	0.0788	4
5	0.0978	0.0858	0.1728	0.388	0.300	0.088	0.113	0.048	0.083	0.049	0.0888	0.0788	5
6	0.0808	0.1008	0.1888	0.431	0.241	0.091	0.148	0.043	0.081	0.047	0.0858	0.0858	6
7	0.0888	0.1018	0.1858	0.512	0.244	0.250	0.382	0.044	0.088	0.047	0.0938	0.0838	7
8	0.0878	0.1008	0.1848	0.507	0.327	0.232	0.233	0.044	0.078	0.051	0.0818	0.0788	8
9	0.0858	0.1008	0.1808	0.398	0.378	0.208	0.258	0.048	0.073	0.053	0.0888	0.0708	9
10	0.0838	0.1008	0.2088	0.309	0.312	0.148	0.208	0.047	0.078	0.084	0.0808	0.0878	10
11	0.0788	0.1038	0.1888	0.287	0.288	0.117	0.171	0.048	0.088	0.086	0.0808	0.0848	11
12	0.0888	0.1028	0.1738	0.213	0.283	0.110	0.158	0.048	0.088	0.088	0.0818	0.0888	12
13	0.0838	0.1018	0.1588	0.188	0.270	0.108	0.187	0.051	0.030	0.083	0.0808	0.0788	13
14	0.0888	0.0988	0.1678	0.148	0.238	0.097	0.152	0.052	0.033	0.083	0.0778	0.0818	14
15	0.0718	0.1038	0.1738	0.121	0.223	0.100	0.148	0.053	0.084	0.083	0.0788	0.0748	15
16	0.0788	0.1048	0.1778	0.108	0.208	0.101	0.156	0.054	0.087	0.081	0.0758	0.0708	16
17	0.0828	0.1088	0.1808	0.112	0.184	0.100	0.178	0.055	0.080	0.080	0.0898	0.0728	17
18	0.0838	0.1078	0.1808	0.112	0.187	0.113	0.126	0.055	0.080	0.082	0.0888	0.0758	18
19	0.0838	0.1048	0.1828	0.118	0.171	0.110	0.104	0.057	0.086	0.082	0.0888	0.0758	19
20	0.0858	0.1048	0.1858	0.118	0.228	0.108	0.101	0.058	0.086	0.080	0.0848	0.0778	20
21	0.0888	0.1088	0.1838	0.088	0.277	0.104	0.103	0.081	0.086	0.087	0.0838	0.0788	21
22	0.0918	0.1048	0.1678	0.108	0.210	0.088	0.221	0.083	0.052	0.082	0.0858	0.0788	22
23	0.0858	0.1048	0.1888	0.104	0.185	0.084	0.158	0.080	0.080	0.085	0.0888	0.0828	23
24	0.0848	0.1058	0.2288	0.128	0.136	0.083	0.110	0.058	0.085	0.084	0.0708	0.0848	24
25	0.0988	0.1078	0.2138	0.118	0.128	0.081	0.088	0.086	0.086	0.086	0.0748	0.0848	25
26	0.0988	0.1088	0.1808	0.102	0.157	0.088	0.078	0.087	0.082	0.088	0.0748	0.0838	26
27	0.0948	0.1118	0.1918	0.130	0.128	0.088	0.086	0.088	0.080	0.070	0.0788	0.0838	27
28	0.0948	0.1288	0.1888	0.132	0.117	0.088	0.083	0.086	0.088	0.070	0.0788	0.0828	28
29	0.0988	0.1888	0.1848	0.118	0.126	0.088	0.086	0.085	0.088	0.088	0.0788	0.0828	29
30	0.0858		0.1838	0.114	0.113	0.088	0.083	0.086	0.087	0.087	0.0778	0.0818	30
31	0.0888		0.1818		0.111		0.081	0.086		0.088		0.0808	31
TOTAL	3.778	3.048	5.884	5.282	5.732	3.434	4.188	1.889	1.783	1.826	2.388	2.381	TOTAL
MEAN	0.080	0.105	0.184	0.208	0.217	0.114	0.135	0.084	0.058	0.088	0.077	0.077	MEAN
MAX	0.118	0.188	0.238	0.512	0.378	0.258	0.382	0.083	0.088	0.078	0.095	0.085	MAX
MIN	0.083	0.088	0.153	0.088	0.111	0.088	0.081	0.043	0.030	0.047	0.083	0.084	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.115
MAXIMUM DAILY, 0.512 ON APR 7
MINIMUM DAILY, 0.030 ON SEP 13
MAXIMUM INSTANTANEOUS,
0.848 AT 03:47 CST ON JUL 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 95 13 30 W
DRAINAGE AREA, 284 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	240	JUL	383
FEB	263	AUG	143
MAR	493	SEP	151
APR	643	OCT	158
MAY	682	NOV	198
JUN	297	DEC	207

TOTAL DISCHARGE, 3 840 dam³

PINE CREEK NEAR PINE CREEK STATION - STATION NO. 05LL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0408	0.1158	0.848	0.838	---	---	---	---	---	---	1
2	---	---	0.0408	0.1408	0.883	0.801	---	---	---	---	---	---	2
3	---	---	0.0408	0.2008	1.48	0.585	---	---	---	---	---	---	3
4	---	---	0.0408	0.8408	1.72	0.841	---	---	---	---	---	---	4
5	---	---	0.0408	1.41 B	1.57	0.480	---	---	---	---	---	---	5
6	---	---	0.0408	2.88 B	1.28	0.461	---	---	---	---	---	---	6
7	---	---	0.0808	2.88 B	1.22	0.419	---	---	---	---	---	---	7
8	---	---	0.2008	2.21 B	1.48	0.411	---	---	---	---	---	---	8
9	---	---	0.4488	1.77 B	1.82	0.388E	---	---	---	---	---	---	9
10	---	---	0.5308	1.58 B	2.20	0.368E	---	---	---	---	---	---	10
11	---	---	0.5908	1.58 B	2.02	0.380E	---	---	---	---	---	---	11
12	---	---	0.5258	1.48 B	1.74	0.361E	---	---	---	---	---	---	12
13	---	---	0.4858	1.33 B	1.42	0.335E	---	---	---	---	---	---	13
14	---	---	0.5008	1.07 B	1.30	0.327E	---	---	---	---	---	---	14
15	---	---	0.5158	1.03 B	1.18	0.315E	---	---	---	---	---	---	15
16	---	---	0.3808	0.9088	1.06	0.315E	---	---	---	---	---	---	16
17	---	---	0.2808	0.7868	1.03	0.351E	---	---	---	---	---	---	17
18	---	---	0.2108	0.7878	0.986	0.360E	---	---	---	---	---	---	18
19	---	---	0.2388	0.7728	0.836	0.327E	---	---	---	---	---	---	19
20	---	---	0.1158	0.7738	0.807	0.304E	---	---	---	---	---	---	20
21	---	---	0.0858	0.6838	0.872	0.288E	---	---	---	---	---	---	21
22	---	---	0.0458	0.5918	0.748	0.281E	---	---	---	---	---	---	22
23	---	---	0.0408	0.5768	0.693	0.288E	---	---	---	---	---	---	23
24	---	---	0.0458	0.5328	0.702	0.258E	---	---	---	---	---	---	24
25	---	---	0.0958	0.518	0.663	0.260E	---	---	---	---	---	---	25
26	---	---	0.0708	0.563	0.638	0.242E	---	---	---	---	---	---	26
27	---	---	0.0808	0.577	0.593	0.245E	---	---	---	---	---	---	27
28	---	---	0.0758	0.533	0.520	0.250E	---	---	---	---	---	---	28
29	---	---	0.1008	0.843	0.522	0.238E	---	---	---	---	---	---	29
30	---		0.1808	0.888	0.847	0.229E	---	---	---	---	---	---	30
31	---		0.1308		0.830		---	---		---		---	31
TOTAL	---	---	8.158	30.300	34.234	10.788	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.188	1.01	1.10	0.359	---	---	---	---	---	---	MEAN
MAX	---	---	0.590	2.88	2.20	0.838	---	---	---	---	---	---	MAX
MIN	---	---	0.040	0.115	0.693	0.225	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.668
MAXIMUM DAILY, 2.888 ON APR 6
MINIMUM DAILY, 0.0408 ON MAR 1
MAXIMUM INSTANTANEOUS,
3.508 AT 16:15 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 40 N
LONG 96 58 48 W
DRAINAGE AREA, 838 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	832	SEP	---
APR	2 820	OCT	---
MAY	3 860	NOV	---
JUN	930	DEC	---

TOTAL DISCHARGE, 7 840 dam³

PIPESTONE CREEK NEAR PIPESTONE - STATION NO. 05NE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.088B	0.003B	0.001B	0.278B	0.082	0.081	0.013	0.002	0.001	0.001	0.002B	0.002B	1
2	0.088B	0.003B	0.001B	0.272B	0.142	0.083	0.010	0.002	0.001	0.001	0.001B	0.002B	2
3	0.088B	0.002B	0 B	0.268B	0.138	0.088	0.008	0.001	0.001	0.001	0.001B	0.003B	3
4	0.038B	0.002B	0 B	0.233B	0.100	0.084	0.004	0.001	0.001	0.001	0.003B	0.003B	4
5	0.011B	0.002B	0.001B	0.226B	0.077	0.040	0.006	0.001	0.002	0.001	0.001B	0.003B	5
6	0.003B	0.001B	0.006B	0.272B	0.078	0.028	0.008	0.001	0.001	0.001	0.001B	0.003B	6
7	0.002B	0.001B	0.015B	0.331	0.080	0.027	0.007	0.001	0.001	0.002	0.001B	0.001B	7
8	0.006B	0.001B	0.028B	0.388	0.078	0.028	0.004	0.002	0.002	0.002	0.001B	0.001B	8
9	0.001B	0.001B	0.038B	0.291	0.080	0.027	0.003	0.001	0.002	0.003	0.001B	0 B	9
10	0.003B	0.001B	0.038B	0.218	0.105	0.026	0.002	0.001	0.003	0.003	0.001B	0 B	10
11	0.003B	0.001B	0.038B	0.234	0.111	0.027	0.002	0.001	0.006	0.003	0.001B	0 B	11
12	0.003B	0.001B	0.038B	0.322	0.111	0.031	0.004	0.001	0.002	0.003	0.001B	0 B	12
13	0.003B	0.001B	0.040B	0.321	0.087	0.035	0.006	0.001	0.002	0.002	0.001B	0 B	13
14	0.003B	0.001B	0.041B	0.222	0.082	0.026	0.003	0.002	0.001	0.002	0.002B	0 B	14
15	0.004B	0.001B	0.040B	0.180	0.087	0.027	0.003	0.001	0.001	0.002	0.003B	0 B	15
16	0.006B	0.001B	0.037B	0.182	0.077	0.032	0.002	0.001	0.002	0.002	0.002B	0 B	16
17	0.005B	0.001B	0.038B	0.166	0.087	0.032	0.002	0.001	0.003	0.002	0.002B	0 B	17
18	0.004B	0.001B	0.041B	0.138	0.074	0.040	0.001	0.002	0.006	0.001	0.002B	0 B	18
19	0.004B	0.001B	0.038B	0.188	0.088	0.030	0.001	0.002	0.003	0.001	0.002B	0 B	19
20	0.004B	0.001B	0.038B	0.180	0.080	0.020	0.002	0.002	0.002	0.001	0.001B	0 B	20
21	0.004B	0.001B	0.040B	0.180	0.088	0.018	0.002	0.002	0.001	0.001	0.001B	0 B	21
22	0.003B	0.001B	0.038B	0.137	0.088	0.013	0.001	0.002	0.001	0.001	0.001B	0 B	22
23	0.003B	0.001B	0.038B	0.128	0.082	0.012	0.001	0.001	0.002	0.002	0.001B	0 B	23
24	0.003B	0.001B	0.050B	0.142	0.088	0.015	0.001	0.001	0.002	0.002	0.002B	0 B	24
25	0.003B	0.001B	0.051B	0.110	0.078	0.013	0.001	0.002	0.001	0.001	0.002B	0 B	25
26	0.003B	0.001B	0.055B	0.088	0.072	0.010	0.001	0.002	0.002	0.001	0.001B	0 B	26
27	0.002B	0.001B	0.048B	0.092	0.073	0.011	0.001	0.001	0.002	0.0028	0.002B	0 B	27
28	0.002B	0.001B	0.017B	0.083	0.088	0.015	0.002	0.001	0.001	0.0028	0.001B	0 B	28
29	0.003B	0.001B	0.053B	0.073	0.084	0.013	0.002	0.001	0.002	0.0028	0.001B	0 B	29
30	0.003B		0.186B	0.077	0.051	0.012	0.002	0.001	0.002	0.0028	0.001B	0 B	30
31	0.003B		0.231B		0.057		0.002	0.001		0.0028		0 B	31
TOTAL	0.333	0.035	1.333	5.984	2.837	0.827	0.107	0.043	0.061	0.083	0.043	0.018	TOTAL
MEAN	0.011	0.001	0.043	0.199	0.092	0.028	0.003	0.001	0.002	0.002	0.001	0.001	MEAN
MAX	0.088	0.003	0.231	0.388	0.142	0.083	0.013	0.002	0.006	0.003	0.003	0.003	MAX
MIN	0.001	0.001	0	0.073	0.051	0.010	0.001	0.001	0.001	0.001	0.001	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 0.388 ON APR 6
MINIMUM DAILY, 0B ON MAR 3
MAXIMUM INSTANTANEOUS,
0.388 AT 09:11 CST ON APR 6

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 40 N
LONG 100 58 30 W
DRAINAGE AREA, 4 200 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	28.8	JUL	9.24
FEB	3.02	AUG	3.63
MAR	115	SEP	5.27
APR	517	OCT	4.58
MAY	219	NOV	3.72
JUN	71.5	DEC	1.58

TOTAL DISCHARGE, 982 dam³

PIPESTONE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05NE024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.287B	0.031	0.011	0	0	0	0.275	0.028B	0.008B	1
2	0B	0B	0 B	0.283B	0.120	0.008	0	0	0	0.282	0.028B	0.008B	2
3	0B	0B	0 B	0.286B	0.140	0.008	0	0	0	0.342	0.027B	0.008B	3
4	0B	0B	0 B	0.307B	0.075	0.004	0	0	0	0.322	0.024B	0.008B	4
5	0B	0B	0 B	0.298B	0.082	0.002	0	0	0	0.335	0.027B	0.008B	5
6	0B	0B	0 B	0.288B	0.084	0	0	0	0	0.339	0.027B	0.008B	6
7	0B	0B	0 B	0.303B	0.084	0	0	0	0	0.311	0.026B	0.008B	7
8	0B	0B	0 B	0.323B	0.088	0	0	0	0	0.370	0.030B	0.008B	8
9	0B	0B	0 B	0.244B	0.048	0	0	0	0	0.381	0.024B	0.004B	9
10	0B	0B	0.018B	0.210B	0.035	0	0	0	0	0.321	0.022B	0.003B	10
11	0B	0B	0.131B	0.187B	0.034	0	0	0	0	0.180	0.023B	0.002B	11
12	0B	0B	0.158B	0.243B	0.036	0	0	0	0	0.105	0.023B	0.001B	12
13	0B	0B	0.088B	0.210B	0.026	0	0	0	0	0.075	0.028B	0.001B	13
14	0B	0B	0.067B	0.167B	0.023	0	0	0	0	0.084	0.027B	0 B	14
15	0B	0B	0.053B	0.138B	0.036	0	0	0	0	0.065	0.033B	0 B	15
16	0B	0B	0.168B	0.130	0.03	0	0	0	0	0.074	0.029B	0 B	16
17	0B	0B	0.117B	0.094	0.03	0	0	0	0	0.067	0.029B	0 B	17
18	0B	0B	0.103B	0.078	0.038	0	0	0	0	0.014	0.030B	0 B	18
19	0B	0B	0.113B	0.063	0.041	0	0	0	0	0.036	0.028B	0 B	19
20	0B	0B	0.108B	0.055	0.033	0	0	0	0	0.047	0.028B	0 B	20
21	0B	0B	0.100B	0.052	0.030	0	0	0	0	0.041	0.028B	0 B	21
22	0B	0B	0.128B	0.038	0.029	0	0	0	0	0.038	0.024B	0 B	22
23	0B	0B	0.148B	0.017	0.026	0	0	0	0	0.030	0.033B	0 B	23
24	0B	0B	0.163B	0.023	0.020	0	0	0	0	0.027	0.021B	0 B	24
25	0B	0B	0.162B	0.024	0.020	0	0	0	0	0.034	0.030B	0 B	25
26	0B	0B	0.138B	0.020	0.021	0	0	0	0	0.028B	0.017B	0 B	26
27	0B	0B	0.128B	0.015	0.017	0	0	0	0	0.025B	0.014B	0 B	27
28	0B	0B	0.178B	0.008	0.018	0	0	0	0	0.028B	0.008B	0 B	28
29	0B	0B	0.261B	0.007	0.015	0	0	0	0.036	0.024B	0.007B	0 B	29
30	0B		0.282B	0.007	0.008	0	0	0	0.262	0.024B	0.008B	0 B	30
31	0B		0.247B		0.008		0	0		0.028B		0 B	31
TOTAL	0	0	3.072	4.384	1.184	0.031	0	0	0.287	4.323	0.708	0.057	TOTAL
MEAN	0	0	0.099	0.146	0.038	0.001	0	0	0.010	0.139	0.024	0.002	MEAN
MAX	0	0	0.282	0.323	0.140	0.011	0	0	0.262	0.381	0.034	0.008	MAX
MIN	0	0	0	0.007	0.008	0	0	0	0	0.014	0.008	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.038
MAXIMUM DAILY, 0.381 ON OCT 9
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
0.398 AT 12:41 CST ON OCT 8

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 35 N
LONG 101 33 46 W
DRAINAGE AREA, 5 880 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	286	SEP	25.7
APR	378	OCT	374
MAY	103	NOV	61.0
JUN	2.88	DEC	4.83

TOTAL DISCHARGE, 1 230 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS A RESULT OF A RELEASE FROM MOOSOMIN LAKE

PLAYGREEN LAKE AT ENTRANCE TO EAST NELSON RIVER - STATION NO. 05UD005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	218.877	---	---	---	---	217.007	---	---	---	218.704	218.532	218.490	1
2	218.880	---	---	---	---	216.989	---	---	---	218.647	218.486	218.489	2
3	218.878	---	---	---	---	217.008	---	---	---	218.628	218.510	218.481	3
4	218.872	---	---	---	---	217.010	---	---	---	218.803	218.524	218.488	4
5	218.888	---	---	---	---	217.032	---	---	---	218.728	218.582	218.471	5
6	218.883	---	---	---	---	217.048	---	---	---	218.783	218.588	218.458	6
7	218.884	---	---	---	---	216.938A	---	---	---	218.704	218.701	218.434	7
8	218.881A	---	---	---	---	---	---	---	---	218.723	218.682	218.460	8
9	---	---	---	---	---	---	---	---	---	218.786	218.685	218.488	9
10	---	---	---	---	---	---	---	218.880A	---	218.540	218.541	218.488	10
11	---	---	---	---	---	---	---	218.885	---	218.526	218.631	218.488	11
12	---	---	---	---	---	---	---	---	---	218.645	218.855	218.458	12
13	---	---	---	---	---	---	---	---	218.722A	218.771	218.552	218.448	13
14	---	---	---	---	---	---	---	---	218.724	218.780	218.478	218.441	14
15	---	---	---	---	---	---	---	---	218.821	218.781	218.500	218.441	15
16	---	---	---	---	218.827A	---	---	---	218.850	218.851	218.402	218.442	16
17	---	---	---	---	218.838	---	---	---	218.778	218.808	218.377	218.428	17
18	---	---	---	---	217.018	---	---	---	218.847	218.824	218.487	218.437	18
19	---	---	---	---	218.838	---	---	---	218.840	218.823	218.508	218.428	19
20	---	---	---	---	218.840	---	---	---	218.810	218.704	218.533	218.418	20
21	---	---	---	---	218.848	---	---	---	218.821	218.840	218.544	218.418	21
22	---	---	---	---	218.858	---	---	---	218.732	218.887	218.631	218.417	22
23	---	---	---	---	218.888	---	---	---	218.850	218.597	218.636	218.417	23
24	---	---	---	---	218.898	---	---	---	218.869	218.418	218.867	218.417	24
25	---	---	---	---	217.002	---	---	---	218.848	218.298	218.582	218.417	25
26	---	---	---	---	218.878	---	---	---	218.888	218.321	218.842	218.417	26
27	---	---	---	---	218.884	---	---	---	218.713	218.388	218.447	218.418	27
28	---	---	---	---	218.848	---	---	---	218.782	218.286	218.482	---	28
29	---	---	---	---	218.873	---	---	---	218.853	218.240	218.492	---	29
30	---		---	---	218.818	---	---	---	218.858	218.484	218.473	---	30
31	---		---		218.873		---	---		218.488		---	31
MEAN	---	---	---	---	---	---	---	---	---	218.588	218.548	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	218.771	218.701	---	MAX
MIN	---	---	---	---	---	---	---	---	---	218.288	218.377	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 54 10 N
LONG 97 53 30 W

A - MANUAL GAUGE

MINIMUM DAILY, 218.288 ON OCT 28

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1978 ADJ.)

PLEASANT VALLEY CREEK NEAR GRANDVIEW - STATION NO. 05LJ031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0848	0.0118	0.578	0.818	0.014	0.411	0.061	0.188	---	---	1
2	---	---	0.0838	0.1858	1.07	0.530	0.015	0.440	0.074	0.217	---	---	2
3	---	---	0.0818	1.44 E	1.88	0.482	0.009	0.474	0.083	0.226	---	---	3
4	---	---	0.0488	1.18 E	2.87	0.408	0.008	0.483	0.080	0.230	---	---	4
5	---	---	0.0438	0.8188	2.84	0.328	0.007	0.315	0.084	0.234	---	---	5
6	---	---	0.0818	0.818	3.43	0.284	0.008	0.238	0.088	0.238	---	---	6
7	---	---	0.0278	0.488	3.27	0.244	0.008	0.223	0.087	0.244	---	---	7
8	---	---	0.0128	0.388	3.03	0.201	0.002	0.188	0.082	0.258	---	---	8
9	---	---	0.0858	0.288	2.88	0.190	0.002	0.188	0.213	0.233	---	---	9
10	---	---	0.0778	0.218	3.38	0.328	0.001	0.181	0.308	0.243	---	---	10
11	---	---	0.0108	0.211	3.47	0.488	0	0.180	0.387	0.258	---	---	11
12	---	---	0.0088	0.288	3.38	0.338	0.001	0.188	0.348	0.278	---	---	12
13	---	---	0.0088	0.338	3.38	0.287	0.001	0.183	0.284	0.288	---	---	13
14	---	---	0.0088	0.188	3.17	0.308	0.002	0.181	0.281	0.188	---	---	14
15	---	---	0.0078	0.238	3.18	0.304	0.001	0.178	0.272	0.088	---	---	15
16	---	---	0.0088	0.318	2.87	0.181	0.001	0.181	0.280	0.071	---	---	16
17	---	---	0.0108	0.381	1.87	0.178	0	0.280	0.287	0.078	---	---	17
18	---	---	0.0088	0.284	1.74	0.184	0	0.334	0.288	0.078	---	---	18
19	---	---	0.0088	0.224	1.80	0.128	0	0.184	0.304	0.088	---	---	19
20	---	---	0.0098	0.244	1.81	0.111	0	0.184	0.313	0.120	---	---	20
21	---	---	0.0108	0.338	1.44	0.108	0	0.183	0.313	0.083	---	---	21
22	---	---	0.0118	0.242	1.38	0.088	0	0.182	0.306	0.078	---	---	22
23	---	---	0.0528	0.281	1.27	0.082	0.113	0.113	0.283	0.088	---	---	23
24	---	---	0.0838	0.271	1.14	0.081	0.172	0.087	0.290	0.047	---	---	24
25	---	---	0.0788	0.288	1.10	0.048	0.174	0.031	0.311	0.044	---	---	25
26	---	---	0.0628	0.308	0.988	0.048	0.184	0.088	0.381	0.088	---	---	26
27	---	---	0.0338	0.309	0.937	0.040	0.183	0.273	0.334	0.0748	---	---	27
28	---	---	0.0228	0.304	0.874	0.037	0.188	0.284	0.388	0.0778	---	---	28
29	---	---	0.0188	0.338	0.843	0.026	0.348	0.307	0.378	0.0888	---	---	29
30	---		0.0188	0.388	0.718	0.014	0.418	0.278	0.288	0.0488	---	---	30
31	---		0.0118		0.884		0.413	0.113		0.0938		---	31
TOTAL	---	---	0.971	11.088	58.411	8.381	3.188	7.081	7.383	4.808	---	---	TOTAL
MEAN	---	---	0.031	0.370	1.78	0.213	0.071	0.228	0.248	0.148	---	---	MEAN
MAX	---	---	0.083	1.44	3.28	0.818	0.418	0.483	0.378	0.278	---	---	MAX
MIN	---	---	0.007	0.011	0.578	0.014	0	0.031	0.081	0.044	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.388
MAXIMUM DAILY, 3.28 ON MAY 10
MINIMUM DAILY, 0 ON JUL 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 16 N
LONG 100 53 57 W
DRAINAGE AREA, 261 km²

B - ICE CONDITIONS

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	180
FEB	---	AUG	612
MAR	63.8	SEP	638
APR	858	OCT	369
MAY	4 780	NOV	---
JUN	883	DEC	---

TOTAL DISCHARGE, 8 210 dam³

PLEASANT VALLEY RESERVOIR NEAR PETLURA - STATION NO. 05LJ008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	540.300E	540.267E	540.11E	539.945E	539.795E	539.647E	---	---	1
2	---	---	---	---	540.343E	540.261E	540.11E	539.93E	539.79E	539.644E	---	---	2
3	---	---	---	---	540.38E	540.27E	540.117E	539.931E	539.784E	539.642E	---	---	3
4	---	---	---	---	540.44E	540.284E	540.117E	539.92E	539.776E	539.63E	---	---	4
5	---	---	---	---	540.44E	540.254E	540.117	539.91E	539.773E	539.632E	---	---	5
6	539.784	---	---	540.08E	540.43E	540.244E	540.114E	539.905E	539.76E	539.628E	---	---	6
7	---	---	---	---	540.438E	540.23E	540.11E	539.88E	539.78E	539.61E	---	539.67E	7
8	---	---	539.76E	---	540.43E	540.22E	540.107	539.86E	539.784E	539.614E	---	---	8
9	---	---	---	---	540.43E	540.221E	540.104E	539.87E	539.74E	539.60E	---	---	9
10	---	---	---	---	540.43E	540.21E	540.102E	539.87E	539.744E	539.604E	---	---	10
11	---	---	---	---	540.43E	540.213E	540.09E	539.871E	539.741E	539.59E	---	---	11
12	---	---	---	---	540.43E	540.21E	540.09	539.86E	539.737E	539.59E	---	---	12
13	---	---	---	---	540.43E	540.20E	540.081E	539.85E	539.73E	539.59	---	---	13
14	---	---	---	540.20E	540.42E	540.20E	540.08E	539.84E	539.72E	539.58	---	---	14
15	---	---	---	540.20E	540.42E	540.202E	540.07E	539.86E	539.717E	539.587E	---	---	15
16	---	539.78E	---	540.21E	540.41E	540.19E	540.07E	539.85	539.70E	539.58E	---	---	16
17	---	---	---	540.21E	540.40E	540.19E	540.07E	539.84E	539.707E	539.582E	---	---	17
18	---	---	---	540.22E	540.39E	540.19E	540.07E	539.87E	539.704E	539.57E	---	---	18
19	---	---	---	540.22E	540.38E	540.18E	540.07E	539.87	539.702E	539.58E	---	---	19
20	---	---	---	540.22E	540.37E	540.18E	540.06E	539.87E	539.69E	539.577E	---	---	20
21	---	---	---	540.21E	540.38E	540.17E	540.08E	539.86E	539.86E	539.58E	---	---	21
22	---	---	---	540.21E	540.38E	540.18E	540.08E	539.85E	539.82E	539.57E	---	---	22
23	---	---	---	540.21E	540.34E	540.18E	540.06E	539.85	539.8E	539.572E	---	---	23
24	---	---	---	540.21E	540.33E	540.18E	540.04E	539.85E	539.85E	539.57E	---	---	24
25	---	---	---	540.21E	540.34E	540.16E	540.03E	539.84E	539.84E	539.57E	---	---	25
26	---	---	---	540.21E	540.32E	540.14E	540.01E	539.83E	539.81E	539.57E	---	---	26
27	---	---	---	540.21E	540.31E	540.14E	540.00E	539.83E	539.8E	539.57E	---	---	27
28	---	---	---	540.21E	540.30E	540.13E	539.99E	539.82E	539.8E	539.57E	---	---	28
29	---	---	---	540.21E	540.30E	540.12E	539.98E	539.81E	539.8E	539.56E	---	---	29
30	---	---	---	540.25E	540.29E	540.12E	539.96E	539.81E	539.8E	539.56E	---	---	30
31	---		---		540.29		539.95E	539.80E		539.56E		---	31
MEAN	---	---	---	---	540.381	540.189	540.088	539.870	539.717	539.595	---	---	MEAN
MAX	---	---	---	---	540.44E	540.28?	540.117	539.94E	539.78E	539.64?	---	---	MAX
MIN	---	---	---	---	540.29E	540.12E	539.95?	539.80?	539.64E	539.56E	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 540.44E ON MAY 4

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 03 27 N
LONG 100 58 14 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1972

DRAINAGE AREA,
233 km²

PLUM CREEK NEAR SOURIS - STATION NO. 05NE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0188	0.018	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0228	0.022	0	0	0	0	0	---	---	2
3	---	---	0.0018	0.0228	0.023	0	0	0	0	0	---	---	3
4	---	---	0.0028	0.0268	0.021	0	0	0	0	0	---	---	4
5	---	---	0.0048	0.0228	0.018	0	0	0	0	0	---	---	5
6	---	---	0.0088	0.0188	0.017	0	0	0	0	0	---	---	6
7	---	---	0.0058	0.0138	0.016	0	0	0	0	0	---	---	7
8	---	---	0.0088	0.0088	0.014	0	0	0	0	0	---	---	8
9	---	---	0.0088	0.063	0.014	0	0	0	0	0	---	---	9
10	---	---	0.0098	0.071	0.013	0	0	0	0	0	---	---	10
11	---	---	0.0088	0.047	0.012	0	0	0	0	0	---	---	11
12	---	---	0.0088	0.035	0.012	0	0	0	0	0	---	---	12
13	---	---	0.0068	0.032	0.012	0	0.002	0	0	0	---	---	13
14	---	---	0.0078	0.029	0.012	0	0.001	0	0	0	---	---	14
15	---	---	0.0088	0.026	0.012	0	0.001	0	0	0	---	---	15
16	---	---	0.0088	0.024	0.011	0	0.001	0	0	0	---	---	16
17	---	---	0.0088	0.022	0.010	0	0.001	0	0	0	---	---	17
18	---	---	0.0088	0.021	0.008	0	0.001	0	0	0	---	---	18
19	---	---	0.0088	0.020	0.008	0	0	0	0	0	---	---	19
20	---	---	0.0088	0.018	0.008	0	0	0	0	0	---	---	20
21	---	---	0.0138	0.018	0.007	0	0	0	0	0	---	---	21
22	---	---	0.0218	0.018	0.008	0	0	0	0	0	---	---	22
23	---	---	0.0288	0.018	0.006	0	0	0	0	0	---	---	23
24	---	---	0.0188	0.018	0.001	0	0	0	0	0	---	---	24
25	---	---	0.0108	0.017	0.001	0	0	0	0	0	---	---	25
26	---	---	0.0078	0.017	0.001	0	0	0	0	0	---	---	26
27	---	---	0.0068	0.017	0	0	0	0	0	0	---	---	27
28	---	---	0.0068	0.017	0	0	0	0	0	0	---	---	28
29	---	---	0.0068	0.017	0	0	0	0	0	0	---	---	29
30	---		0.0068	0.016	0	0	0	0	0	0	---	---	30
31	---		0.0108		0		0	0		0		---	31
TOTAL	---	---	0.253	0.788	0.302	0	0.007	0	0	0	---	---	TOTAL
MEAN	---	---	0.008	0.026	0.010	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.028	0.063	0.023	0	0.002	0	0	0	---	---	MAX
MIN	---	---	0	0.013	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.063 ON APR 9
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.068 AT 12:00 CST ON APR 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 30 N
LONG 100 18 20 W
DRAINAGE AREA, 5 410 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.80
FEB	---	AUG	0
MAR	21.8	SEP	0
APR	68.3	OCT	0
MAY	26.1	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 117 dam³

PLUM LAKE ABOVE DELEAU DAM - STATION NO. 05NS601

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	428.880	428.889	428.728	428.380	---	---	428.188A	---	1
2	---	---	---	---	428.908	428.888	428.728	428.381E	---	---	---	---	2
3	---	---	---	---	428.918	428.886	428.718	428.321E	---	---	---	---	3
4	---	---	---	---	428.918	428.880	428.704	428.302	---	---	---	---	4
5	---	---	---	---	428.912	428.868	428.739	428.288	---	---	---	---	5
6	---	---	---	---	428.912	428.836	428.747	428.216	---	---	---	---	6
7	---	---	---	---	428.918	428.832	428.777	428.178E	---	---	---	---	7
8	---	---	---	---	428.921	428.823	428.771	428.142E	---	---	---	---	8
9	---	---	---	428.888A	428.918	428.814	428.788	428.108E	---	---	---	---	9
10	---	---	---	428.878	428.918	428.808	428.780	428.070A	---	---	---	---	10
11	---	---	---	428.883	428.918	428.788	428.741	---	---	---	---	---	11
12	---	---	---	428.862	428.921	428.788	428.780	---	---	---	---	---	12
13	---	---	---	428.921	428.818	428.780	428.780	---	---	---	---	---	13
14	---	---	---	428.921	428.821	428.788	428.774	---	---	---	---	---	14
15	---	---	---	428.918	428.930	428.808	428.788	---	---	---	---	---	15
16	---	---	---	428.918	428.827	428.802	428.789	---	---	---	---	---	16
17	---	---	---	428.918	428.821	428.802	428.747	---	---	---	---	---	17
18	---	---	---	428.918	428.818	428.806	428.741	---	---	---	---	---	18
19	---	---	---	428.912	428.818	428.808	428.738	---	---	---	---	---	19
20	---	---	---	428.908	428.812	428.796	428.728	---	---	---	---	---	20
21	---	---	---	428.902	428.812	428.793	428.713	---	---	---	---	---	21
22	---	428.867A	---	428.902	428.905	428.784	428.698	---	---	---	---	---	22
23	---	---	---	428.898	428.898	428.777	428.680	---	---	---	---	---	23
24	---	---	---	428.889	428.893	428.788	428.659	---	---	---	---	---	24
25	---	---	---	428.898	428.887	428.758	428.637	---	---	---	---	---	25
26	---	---	---	428.893	428.884	428.750	428.607	---	428.238A	---	---	---	26
27	---	---	---	428.893	428.884	428.741	428.578	---	428.239A	---	---	---	27
28	---	---	---	428.890	428.881	428.738	428.546	---	---	---	---	---	28
29	---	---	---	428.887	428.878	428.723	428.512	---	---	---	---	---	29
30	---		---	428.890	428.878	428.718	428.478	---	---	---	---	---	30
31	---		---		428.872		428.433	---		---		---	31
MEAN	---	---	---	---	428.908	428.798	428.693	---	---	---	---	---	MEAN
MAX	---	---	---	---	428.930	428.888	428.780	---	---	---	---	---	MAX
MIN	---	---	---	---	428.872	428.718	428.433	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 30 N
LONG 100 36 41 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1988

DRAINAGE AREA,
5 140 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PLUM LAKE NEAR FINDLAY - STATION NO. 05NS602

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	428.890	428.848	428.714	428.588	428.448	428.430	428.378A	---	1
2	---	---	---	---	428.908	428.847	428.711	428.583	428.438	428.423	---	---	2
3	---	---	---	---	428.918	428.841	428.710	428.588	428.433	428.418	---	---	3
4	---	---	---	---	428.913	428.832	428.700	428.588	428.428	428.418	---	---	4
5	---	---	---	---	428.907	428.820	428.704	428.586	428.421	428.414	---	---	5
6	---	---	---	---	428.908	428.813	428.715	428.573	428.418	428.413	---	---	6
7	---	---	---	---	428.918	428.808	428.732	428.578	428.420	428.410	---	---	7
8	---	---	---	---	428.918	428.788	428.730	428.580	428.432	428.407	---	---	8
9	---	---	---	---	428.914	428.788	428.718	428.557	428.401	428.412	---	---	9
10	---	---	---	---	428.910	428.782	428.708	428.551	428.388	428.408	---	---	10
11	---	---	---	---	428.908	428.781	428.688	428.544	428.422	428.398	---	---	11
12	---	---	---	---	428.910	428.773	428.704	428.538	428.434	428.392	---	---	12
13	---	---	---	---	428.908	428.768	428.726	428.534	428.432	428.388	---	---	13
14	---	---	---	---	428.913	428.767	428.718	428.531	428.428	428.388	---	---	14
15	---	---	---	---	428.918	428.773	428.718	428.528	428.428	428.388	---	---	15
16	---	---	---	---	428.908	428.788	428.710	428.513	428.424	428.382	---	---	16
17	---	---	---	---	428.900	428.787	428.703	428.514	428.428	428.390	---	---	17
18	---	---	---	---	428.905	428.771	428.699	428.511	428.426	428.382	---	---	18
19	---	---	---	428.905A	428.904	428.770	428.683	428.512	428.441	428.388	---	---	19
20	---	---	---	428.908	428.900	428.769	428.688	428.500	428.437	428.395	---	---	20
21	---	---	---	428.908	428.898	428.780	428.680	428.508	428.439	428.382	---	---	21
22	---	428.868A	---	428.903	428.895	428.781	428.672	428.518	428.481	428.398	---	---	22
23	---	---	---	428.902	428.883	428.744	428.667	428.507	428.438	428.388	---	---	23
24	---	---	---	428.913	428.878	428.788	428.663	428.493	428.437	428.377	---	---	24
25	---	---	---	428.900	428.881	428.737	428.648	428.483	428.428	428.370	---	---	25
26	---	---	---	428.897	428.878	428.734	428.639	428.481	428.433	428.388	---	---	26
27	---	---	---	428.893	428.871	428.724	428.630	428.473	428.422	428.371	---	---	27
28	---	---	---	428.892	428.868	428.714	428.623	428.468	428.428	428.374	---	---	28
29	---	---	---	428.884	428.881	428.698	428.631	428.468	428.430	428.378	---	---	29
30	---		---	428.889	428.851	428.708	428.611	428.448	428.431	428.378	---	---	30
31	---		---		428.853		428.608	428.448		428.378		---	31
MEAN	---	---	---	---	428.898	428.773	428.685	428.525	428.428	428.388	---	---	MEAN
MAX	---	---	---	---	428.918	428.848	428.732	428.588	428.481	428.430	---	---	MAX
MIN	---	---	---	---	428.851	428.699	428.608	428.448	428.388	428.388	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 428.918 ON MAY 3

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 45 N
LONG 100 43 08 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED SINCE 1988

DRAINAGE AREA,
5 140 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

POPLAR RIVER AT OUTLET OF BEAVER LAKE - STATION NO. 05KE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.03	8.21	7.42	7.80	19.1	39.3	23.0	10.5	5.87	3.70	3.83	3.83	1
2	8.04	8.14	7.38	7.83	18.8	40.7	22.8	10.7	5.72	3.88	3.88	3.83	2
3	8.03	8.07	7.40	7.71	17.8	41.8	22.0	9.82	5.68	3.88	3.88	3.48	3
4	8.78	8.05	7.42	7.88	16.5	42.7	21.0	9.03	5.35	4.05	3.81	3.48	4
5	8.72	8.00	7.43	8.31	19.5	43.0	22.1	9.81	5.13	4.02	3.82	3.43	5
6	8.63	7.88	7.48	8.75	20.7	43.0	20.8	8.74	5.18	4.03	3.81	3.42	6
7	8.81	7.88	7.38	9.10	21.8	48.0	19.8	7.84	4.88	4.33	3.77	3.38	7
8	8.81	7.88	7.38	9.80	23.8	43.1	18.2	8.45	3.83	4.19	3.78	3.34	8
9	8.45	7.82	7.38	9.88	26.7	40.1	17.7	8.38	4.02	3.28	3.77	3.30	9
10	8.38	7.78	7.24	10.3	28.5	39.3	18.4	7.88	4.88	3.80	3.77	3.28	10
11	8.28	7.77	7.08	10.8	27.3	39.0	18.3	7.88	5.28	3.87	3.78	3.31	11
12	8.12	7.74	7.04	10.9	28.5	37.8	17.7	7.77	4.83	4.12	3.77	3.40	12
13	8.08	7.73	7.03	11.1	29.1	36.8	18.1	7.44	3.80	3.85	3.78	3.38	13
14	8.05	7.70	7.01	11.8	31.8	38.2	17.8	7.18	4.88	4.03	3.78	3.32	14
15	8.01	7.88	6.98	11.8	32.8	38.3	16.8	8.82	4.47	3.70	3.78	3.23	15
16	8.84	7.72	8.80	12.2	32.1	33.8	16.4	7.16	4.88	3.81	3.78	3.27	16
17	8.88	7.71	8.88	12.4	33.8	33.8	16.8	7.38	4.38	3.71	3.74	3.28	17
18	8.73	7.78	8.78	12.8	33.1	33.4	16.1	8.38	4.45	3.82	3.78	3.28	18
19	8.72	7.72	8.78	12.9	34.3	28.4	16.8	8.11	4.77	3.78	3.71	3.25	19
20	8.68	7.80	8.72	13.1	36.2	31.4	16.7	8.12	4.27	3.87	3.71	3.19	20
21	8.84	7.70	8.73	13.2	36.3	30.4	16.4	7.11	4.13	3.48	3.77	3.20	21
22	8.87	7.84	8.88	13.8	36.4	28.9	15.2	8.18	3.88	4.88	3.78	3.28	22
23	8.82	7.82	8.88	13.8	36.8	30.3	13.8	8.77	3.78	3.83	3.78	3.28	23
24	8.48	7.88	8.88	13.8	37.8	28.4	13.8	8.84	3.82	3.27	3.74	3.31	24
25	8.31	7.47	7.14	14.2	36.3	27.1	14.8	8.87	3.87	3.28	3.78	3.38	25
26	8.34	7.88	7.38	14.8	35.7	27.1	13.1	8.81	4.27	3.81	3.88	3.28	26
27	8.31	7.84	7.21	14.8	36.8	27.1	13.1	8.48	4.13	3.88	3.88	3.28	27
28	8.38	7.83	7.28	15.8	38.7	26.7	13.2	8.78	4.28	3.83	3.47	3.27	28
29	8.28	7.37	7.43	15.4	38.8	25.3	12.8	8.14	3.83	3.82	3.48	3.28	29
30	8.18		7.88	15.7	37.8	23.8	11.7	8.32	3.82	3.88	3.48	3.28	30
31	8.16		7.88		38.1		8.88	8.88		3.84		3.23	31
TOTAL	278.43	236.12	221.80	380.15	935.4	1 040.8	518.88	228.07	134.71	117.80	111.88	103.84	TOTAL
MEAN	8.88	7.78	7.15	11.7	28.8	34.7	16.8	7.38	4.48	3.80	3.73	3.32	MEAN
MAX	8.84	8.21	7.88	15.7	38.1	48.8	23.8	10.7	8.72	4.88	3.88	3.83	MAX
MIN	8.18	7.37	8.72	7.88	18.1	23.8	8.88	8.48	3.88	3.88	3.47	3.18	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.8
MAXIMUM DAILY, 48.8 ON JUN 7
MINIMUM DAILY, 3.88 ON OCT 23
MAXIMUM INSTANTANEOUS,
48.8 AT 18:84 CST ON JUN 7

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 48 40 N
LONG 98 45 10 W
DRAINAGE AREA, 8 880 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 100	JUL	44 800
FEB	18 800	AUG	19 800
MAR	19 200	SEP	11 800
APR	30 300	OCT	10 200
MAY	80 000	NOV	9 870
JUN	89 900	DEC	8 890

TOTAL DISCHARGE, 388 000 dam³

PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE - STATION NO. 05LL018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	---	---	---	---	---	---	1
2	---	---	0	0	0	0	---	---	---	---	---	---	2
3	---	---	0	0	0	0	---	---	---	---	---	---	3
4	---	---	0	0	0	0	---	---	---	---	---	---	4
5	---	---	0	0	0	0	---	---	---	---	---	---	5
6	---	---	0	0	0	0	---	---	---	---	---	---	6
7	---	---	0	0	0	0	---	---	---	---	---	---	7
8	---	---	0	0	0	0	---	---	---	---	---	---	8
9	---	---	0	0	0	0	---	---	---	---	---	---	9
10	---	---	0	0	0	0	---	---	---	---	---	---	10
11	---	---	0	0	0	0	---	---	---	---	---	---	11
12	---	---	0	0	0	0	---	---	---	---	---	---	12
13	---	---	0	0	0	0	---	---	---	---	---	---	13
14	---	---	0	0	0	0	---	---	---	---	---	---	14
15	---	---	0	0	0	0	---	---	---	---	---	---	15
16	---	---	0	0	0	0	---	---	---	---	---	---	16
17	---	---	0	0	0	0	---	---	---	---	---	---	17
18	---	---	0	0	0	0	---	---	---	---	---	---	18
19	---	---	0	0	0	0	---	---	---	---	---	---	19
20	---	---	0	0	0	0	---	---	---	---	---	---	20
21	---	---	0	0	0	0	---	---	---	---	---	---	21
22	---	---	0	0	0	0	---	---	---	---	---	---	22
23	---	---	0	0	0	0	---	---	---	---	---	---	23
24	---	---	0	0	0	0	---	---	---	---	---	---	24
25	---	---	0	0	0	0	---	---	---	---	---	---	25
26	---	---	0	0	0	0	---	---	---	---	---	---	26
27	---	---	0	0	0	0	---	---	---	---	---	---	27
28	---	---	0	0	0	0	---	---	---	---	---	---	28
29	---	---	0	0	0	0	---	---	---	---	---	---	29
30	---		0	0	0	0	---	---	---	---	---	---	30
31	---		0		0		---	---		---		---	31
TOTAL	---	---	0	0	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	0	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 AT 00:01 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 98 22 50 W

REGULATED SINCE 1970

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	0	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.550	280.552	280.778	282.377	284.782	284.694	284.648	284.592E	284.640	281.685	280.475	280.485	1
2	280.553	280.554	280.780	282.533	284.753	284.687	284.648	284.596E	284.635	281.218	280.702	280.533	2
3	280.497	280.558	280.816	282.706	284.740	284.681	284.658	284.634E	284.630	280.699	280.656	280.463	3
4	280.555	280.562	280.826	282.838	284.731	284.672	284.654	284.642E	284.625	280.700	280.617	280.721	4
5	280.473	280.610	280.807	283.211	284.712	284.660	284.660	284.654E	284.618	280.687	280.634	280.747	5
6	280.531	280.582	280.678	282.452	284.635	284.645	284.665	284.667E	284.611	280.643	280.650	280.721	6
7	280.443	280.648	280.833	283.583	284.593	284.627	284.707	284.681E	284.608	280.647	280.435	280.713	7
8	280.343	280.533	280.743	283.701	284.614	284.598	284.717	284.688E	284.602	280.589	280.772	280.702	8
9	280.536	280.551	280.826	283.836	284.647	284.604	284.708	284.653E	284.588	280.564	280.582	280.703	9
10	280.499	280.644	280.885	283.940	284.672	284.644	284.686	284.648E	284.584	280.518	280.428	280.628	10
11	280.440	280.784	280.885	283.886	284.683	284.701	284.648	284.651E	284.628	280.585	280.826	280.818	11
12	280.462	280.877	280.911	283.885	284.700	284.710	284.645	284.650E	284.649	280.548	280.780	280.893	12
13	280.488	280.878	280.847	284.188	284.701	284.708	284.683	284.648E	284.651	280.526	280.512	280.648	13
14	280.435	280.871	280.886	284.544	284.692	284.688	284.678	284.654E	284.683	280.526	280.408	280.712	14
15	280.425	280.870	280.878	284.722	284.683	284.684	284.672	284.662E	284.662	280.533	280.481	280.780	15
16	280.422	280.847	280.810	284.720	284.701	284.681	284.684	284.644E	284.650	280.510	280.488	280.783	16
17	280.488	280.834	280.800	284.663	284.718	284.687	284.670	284.648E	284.641	280.562	280.578	280.717	17
18	280.488	280.842	280.879	284.636	284.691	284.713	284.644	284.639E	284.626	280.429	280.575	280.880	18
19	280.534	280.838	280.871	284.706	284.618	284.708	284.631	284.645E	284.633	280.482	280.653	280.884	19
20	280.501	280.885	280.831	284.888	284.629	284.708	284.686	284.648E	284.629	280.803	280.776	280.885	20
21	280.505	280.848	280.878	284.868	284.883	284.888	284.677	284.650E	284.591	280.848	280.780	280.853	21
22	280.554	280.882	280.880	284.885	284.889	284.703	284.661	284.648E	284.636	280.885	280.728	280.709	22
23	280.502	280.820	280.836	284.718	284.888	284.888	284.628	284.630E	284.307	280.598	280.627	280.741	23
24	280.542	280.882	281.017	284.738	284.878	284.702	284.604	284.624E	284.178	280.587	280.606	280.748	24
25	280.578	280.808	281.133	284.788	284.885	284.888	284.582	284.623E	284.038	280.577	280.857	280.885	25
26	280.572	280.891	281.328	284.788	284.854	284.888	284.588	284.628E	283.812	280.387	280.868	280.826	26
27	280.531	280.888	281.437	284.825	284.888	284.883	284.620	284.618E	283.662	280.347	280.891	280.834	27
28	280.888	280.827	281.486	284.841	284.880	284.870	284.627A	284.620E	283.284	280.344	280.887	280.788	28
29	280.884	280.718	281.772	284.831	284.873	284.881	284.621E	284.628E	282.928	280.884	280.441	280.788	29
30	280.888		282.008	284.778	284.878	284.852	284.611E	284.622A	282.411	280.888	280.487	280.718	30
31	280.812		282.222		284.888		284.585E	284.638		280.828		280.887	31
MEAN	280.528	280.807	281.031	284.121	284.682	284.678	284.651	284.640	284.338	280.818	280.588	280.888	MEAN
MAX	280.888	280.784	282.222	284.841	284.782	284.713	284.717	284.887	284.883	281.885	280.780	280.887	MAX
MIN	280.343	280.827	280.743	282.377	284.883	284.888	284.582	284.892	282.411	280.344	280.408	280.488	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MEAN, 282.801
MAXIMUM DAILY, 284.841 ON APR 28
MINIMUM DAILY, 280.343 ON JAN 6
MAXIMUM INSTANTANEOUS,
284.851 AT 08:56 CST ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 43 N
LONG 98 20 12 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1970

DRAINAGE AREA,
162 000 km²

WATER LEVELS ARE REFERRED TO ONTARIO HYDRO PROJECT DATUM

REMARKS - TO CONVERT DATA PRIOR TO 1988 TO PORTAGE DIVERSION DATUM, ADD -.171

RAT RIVER NEAR OTTERBURNE - STATION NO. 05OE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0778	0B	0 B	0.5388	0.783	0.448	0	0	0.008	0	0.0138	0B	1
2	0.0728	0B	0 B	0.4888	0.728	0.424	0	0	0	0	0.0188	0B	2
3	0.0708	0B	0.0018	1.88 B	0.644	0.458	0	0	0	0	0.0198	0B	3
4	0.0838	0B	0.0018	4.18 B	0.558	0.454	0	0	0	0	0.0178	0B	4
5	0.0988	0B	0.0018	5.81 B	0.518	0.382	0	0	0	0	0.0188	0B	5
6	0.0478	0B	0.0018	6.88 B	0.471	0.280	0	0	0	0	0.0138	0B	6
7	0.0318	0B	0.0018	4.31 B	0.441	0.231	0	0	0	0	0.0138	0B	7
8	0.0278	0B	0.0018	3.44 B	0.478	0.198	0	0	0	0	0.0158	0B	8
9	0.0228	0B	0.0018	2.88 B	0.438	0.141	0	0	0	0	0.0188	0B	9
10	0.0178	0B	0.0018	2.42 B	0.436	0.088	0	0	0	0	0.0148	0B	10
11	0.0128	0B	0 B	2.28 B	0.488	0.088	0	0	0	0	0.0128	0B	11
12	0.0118	0B	0 B	2.28	0.618	0.048	0.008	0	0	0	0.0078	0B	12
13	0.0088	0B	0 B	2.38	0.484	0.017	0.020	0	0	0	0.0018	0B	13
14	0.0038	0B	0 B	2.84	0.488	0.041	0.010	0.028	0	0	0 B	0B	14
15	0 B	0B	0 B	2.69	0.422	0.038	0	0.348	0	0	0 B	0B	15
16	0 B	0B	0 B	2.88	0.431	0.041	0	0.281	0	0	0 B	0B	16
17	0 B	0B	0 B	2.88	0.484	0.018	0	0.218	0	0	0 B	0B	17
18	0 B	0B	0 B	2.38	0.388	0	0	0.188	0	0	0 B	0B	18
19	0 B	0B	0 B	2.18	0.618	0	0	0.122	0	0	0 B	0B	19
20	0 B	0B	0.0078	1.83	0.881	0	0	0.088	0	0	0 B	0B	20
21	0 B	0B	0.1148	1.78	0.784	0	0	0.085	0	0.002	0 B	0B	21
22	0 B	0B	0.1718	1.61	0.648	0	0	0.048	0	0.028	0 B	0B	22
23	0 B	0B	0.2288	1.47	0.711	0	0	0.031	0	0.048	0 B	0B	23
24	0 B	0B	0.2878	1.33	0.828	0	0	0.018	0	0.088	0 B	0B	24
25	0 B	0B	0.2288	1.28	0.843	0	0	0.018	0	0.088	0 B	0B	25
26	0 B	0B	0.1808	1.33	0.888	0	0	0.018	0	0.084	0 B	0B	26
27	0 B	0B	0.1008	1.14	0.881	0	0	0.017	0	0.0878	0 B	0B	27
28	0 B	0B	0.1008	1.00	0.483	0	0	0.013	0	0.0508	0 B	0B	28
29	0 B	0B	0.1258	0.898	0.478	0	0	0.011	0	0.0388	0 B	0B	29
30	0 B		0.1508	0.883	0.488	0	0	0.011	0	0.0218	0 B	0B	30
31	0 B		0.1888		0.483		0	0.014		0.0188		0B	31
TOTAL	0.517	0	1.811	88.873	18.818	3.378	0.038	1.525	0.008	0.488	0.178	0	TOTAL
MEAN	0.017	0	0.082	2.33	0.843	0.113	0.001	0.048	0	0.018	0.008	0	MEAN
MAX	0.077	0	0.287	8.81	0.848	0.488	0.020	0.348	0.008	0.088	0.018	0	MAX
MIN	0	0	0	0.838	0.388	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1988

MEAN, 0.288
MAXIMUM DAILY, 8.818 ON APR 6
MINIMUM DAILY, 0B ON JAN 18
MAXIMUM INSTANTANEOUS,
8.138 AT 17:44 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 42 N
LONG 97 00 28 W
DRAINAGE AREA, 1 380 km²

B - ICE CONDITIONS

REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	44.7	JUL	3.02
FEB	0	AUG	132
MAR	186	SEP	0.89
APR	8 050	OCT	39.3
MAY	1 650	NOV	14.7
JUN	292	DEC	0

TOTAL DISCHARGE, 8 190 dam³

RAT RIVER NEAR ST. MALO - STATION NO. 05OE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1788	0.483	0.378	0.011	0	0	0	---	---	1
2	---	---	0 B	0.3008	0.387	0.387	0.008	0	0	0	---	---	2
3	---	---	0 B	0.4098	0.348	0.298	0.003	0	0	0	---	---	3
4	---	---	0 B	0.4578	0.327	0.230	0.002	0	0	0	---	---	4
5	---	---	0 B	0.897	0.292	0.203	0.002	0	0	0	---	---	5
6	---	---	0 B	1.01	0.258	0.148	0.008	0	0	0	---	---	6
7	---	---	0 B	1.08	0.227	0.114	0.012	0	0	0	---	---	7
8	---	---	0 B	1.18	0.283	0.148	0.008	0	0	0	---	---	8
9	---	---	0 B	1.22	0.300	0.084	0.003	0	0	0	---	---	9
10	---	---	0 B	1.38	0.348	0.030	0.001	0	0	0	---	---	10
11	---	---	0 B	1.80	0.280	0.032	0.001	0	0	0	---	---	11
12	---	---	0 B	1.88	0.282	0.011	0.001	0	0	0	---	---	12
13	---	---	0 B	2.53	0.290	0.005	0.001	0.005	0	0.001	---	---	13
14	---	---	0 B	2.72	0.322	0.005	0.001	0.003	0	0.001	---	---	14
15	---	---	0 B	2.72	0.288	0.010	0.001	0	0	0.001	---	---	15
16	---	---	0 B	2.85	0.285	0.014	0.001	0	0	0.001	---	---	16
17	---	---	0 B	2.35	0.316	0.028	0.001	0	0	0.001	---	---	17
18	---	---	0 B	2.00	0.359	0.037	0.001	0.001	0	0.001	---	---	18
19	---	---	0 B	1.88	0.525	0.017	0.001	0.001	0	0.001	---	---	19
20	---	---	0 B	1.45	0.835	0.013	0	0.001	0	0.001	---	---	20
21	---	---	0.0388	1.24	0.804	0.077	0	0.001	0	0.001	---	---	21
22	---	---	0.0708	1.13	0.486	0.028	0	0.002	0	0.001	---	---	22
23	---	---	0.1058	1.05	0.388	0.023	0	0.001	0	0.002	---	---	23
24	---	---	0.1408	0.958	0.380	0.048	0	0.001	0	0.002	---	---	24
25	---	---	0.1168	1.08	0.308	0.007	0	0	0	0.001	---	---	25
26	---	---	0.0788	0.808	0.317	0.003	0	0	0	0.001	---	---	26
27	---	---	0.0428	0.881	0.330	0.003	0	0	0	0.0038	---	---	27
28	---	---	0.0058	0.839	0.345	0.028	0	0	0	0.0028	---	---	28
29	---	---	0.0108	0.579	0.382	0.047	0	0	0	0.0028	---	---	29
30	---		0.0058	0.521	0.385	0.048	0	0	0	0.0028	---	---	30
31	---		0.0508		0.341		0	0		0.0028		---	31
TOTAL	---	---	0.887	38.261	10.801	2.487	0.080	0.018	0	0.028	---	---	TOTAL
MEAN	---	---	0.021	1.28	0.382	0.082	0.002	0.001	0	0.001	---	---	MEAN
MAX	---	---	0.140	2.72	0.804	0.387	0.012	0.005	0	0.002	---	---	MAX
MIN	---	---	0	0.175	0.227	0.003	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.214
MAXIMUM DAILY, 2.72 ON APR 14
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.81 AT 16:41 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 04 N
LONG 95 55 38 W
DRAINAGE AREA, 905 km²

B - ICE CONDITIONS

REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5.18
FEB	---	AUG	1.38
MAR	58.8	SEP	0
APR	3 300	OCT	2.26
MAY	842	NOV	---
JUN	213	DEC	---

TOTAL DISCHARGE, 4 520 dam³

RAT RIVER NEAR SUNDOWN - STATION NO. 05OE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0848	0.0678	0.0788	0.1688	0.284	0.287	0.003	0.038	0	0.080	0.1438	0.0898	1
2	0.0938	0.0668	0.0718	0.3098	0.332	0.221	0.003	0.032	0	0.083	0.1628	0.0888	2
3	0.0878	0.0638	0.0888	1.24 B	0.370	0.151	0.003	0.031	0	0.088	0.1678	0.1088	3
4	0.0848	0.0828	0.0888	2.83 B	0.410	0.188	0.003	0.022	0	0.070E	0.2248	0.1128	4
5	0.0908	0.0808	0.0738	4.05 B	0.438	0.140	0.017	0.017	0	0.070E	0.2228	0.1218	5
6	0.1048	0.0488	0.0838	4.44 B	0.444	0.110	0.112	0.017	0	0.070E	0.2488	0.1308	6
7	0.1028	0.0488	0.1118	3.81 B	0.462	0.080	0.871	0.020	0	0.070E	0.2368	0.1328	7
8	0.1008	0.0458	0.1238	2.85 B	0.487	0.082	1.38	0.018	0	0.070E	0.2078	0.1188	8
9	0.0948	0.0438	0.1308	2.88 B	0.512	0.088	1.07	0.010	0	0.070E	0.2048	0.0988	9
10	0.0978	0.0418	0.1218	2.44 B	0.526	0.087	1.04	0.008	0	0.070E	0.2048	0.0778	10
11	0.0958	0.0408	0.1288	1.98 B	0.516	0.047	0.526	0.005	0	0.070E	0.1848	0.0588	11
12	0.0938	0.0388	0.1348	1.38 B	0.511	0.078	0.234	0.002	0.003	0.088E	0.1988	0.0438	12
13	0.0918	0.0388	0.1388	0.8708	0.522	0.041	0.176	0.004	0.004	0.100E	0.2158	0.0448	13
14	0.0908	0.0348	0.1348	0.826	0.545	0.046	0.153	0.027	0.001	0.100E	0.2188	0.0448	14
15	0.0888	0.0328	0.1218	0.821	0.585	0.084	0.113	0.018	0	0.100E	0.2368	0.0418	15
16	0.0888	0.0308	0.1848	0.887	0.538	0.138	0.070	0.017	0.003	0.100E	0.1538	0.0388	16
17	0.0848	0.0288	0.1528	0.841	0.532	0.141	0.084	0.033	0.005	0.100E	0.1488	0.0348	17
18	0.0838	0.0288	0.1288	0.788	0.522	0.133	0.172	0.086	0.001	0.100E	0.1288	0.0328	18
19	0.0818	0.0288	0.0878	0.722	0.581	0.142	0.174	0.051	0.005	0.100E	0.1138	0.0318	19
20	0.0798	0.0308	0.0728	0.882	1.01	0.099	0.085	0.040	0.001	0.100E	0.1078	0.0318	20
21	0.0778	0.0308	0.0528	0.540	1.05	0.088	0.070	0.028	0.004	0.100E	0.1088	0.0318	21
22	0.0758	0.0298	0.0438	0.412	0.898	0.048	0.057	0.015	0.001	0.100E	0.1038	0.0388	22
23	0.0738	0.0268	0.0488	0.355	0.885	0.040	0.050	0.013	0	0.100E	0.1058	0.0398	23
24	0.0718	0.0248	0.1028	0.325	0.783	0.030	0.041	0.013	0.008	0.100E	0.1208	0.0438	24
25	0.0708	0.0228	0.1288	0.318	0.831	0.018	0.037	0.008	0.007	0.100E	0.1238	0.0488	25
26	0.0688	0.0188	0.1858	0.308	0.507	0.018	0.028	0.001	0.011	0.100E	0.1228	0.0488	26
27	0.0698	0.0288	0.1898	0.293	0.458	0.013	0.034	0	0.012	0.108E	0.1218	0.0488	27
28	0.0648	0.0718	0.1848	0.274	0.420	0.008	0.038	0	0.022	0.120E	0.1128	0.0508	28
29	0.0628	0.0778	0.2338	0.263	0.402	0.008	0.042	0	0.040	0.128E	0.0908	0.0508	29
30	0.0618		0.2568	0.287	0.378	0.005	0.037	0	0.053	0.136E	0.0858	0.0508	30
31	0.0598		0.2158		0.334		0.032	0		0.140E		0.0488	31
TOTAL	2.585	1.138	3.878	37.738	17.100	2.597	5.481	0.538	0.181	3.881	4.807	1.880	TOTAL
MEAN	0.083	0.039	0.125	1.28	0.552	0.087	0.206	0.017	0.008	0.092	0.180	0.083	MEAN
MAX	0.104	0.077	0.258	4.44	1.05	0.287	1.38	0.088	0.053	0.140	0.248	0.132	MAX
MIN	0.059	0.018	0.043	0.188	0.284	0.005	0.003	0	0	0.080	0.088	0.031	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.224
MAXIMUM DAILY, 4.448 ON APR 8
MINIMUM DAILY, 0 ON AUG 27

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 35 N
LONG 96 17 00 W
DRAINAGE AREA, 416 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	223	JUL	558
FEB	86.2	AUG	48.8
MAR	335	SEP	18.8
APR	3 260	OCT	207
MAY	1 480	NOV	418
JUN	324	DEC	188

TOTAL DISCHARGE, 7 070 dam³

RED DEER LAKE NEAR BARROWS - STATION NO. 05LC003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	281.741	281.722	281.708	281.734	282.383	282.679	282.170	281.851	281.688	281.614	281.587	281.548	1
2	281.739	281.720	281.704	281.737	282.466	282.672	282.136	281.808	281.703	281.620	281.582	281.540	2
3	281.737	281.718	281.704	281.737	282.547	282.656	282.141	281.638	281.704	281.628	281.558	281.534	3
4	281.734	281.718	281.705	281.738	282.615	282.650	282.148	281.632	281.698	281.624	281.564	281.519	4
5	281.736	281.710	281.708	281.742	282.685	282.629	282.148	281.641	281.697	281.618	281.584	281.502	5
6	281.737	281.717	281.711	281.750	282.784	282.618	282.111	281.682	281.682	281.613	281.572	281.503	6
7	281.738	281.717	281.711	281.767	282.786	282.648	282.015	281.709	281.685	281.626	281.588	281.500	7
8	281.738	281.718	281.711	281.781	282.821	282.594	282.007	281.778	281.660	281.615	281.585	281.498	8
9	281.736	281.712	281.712	281.787	282.848	282.545	282.047	281.759	281.698	281.577	281.582	281.497	9
10	281.731	281.714	281.713	281.807	282.859	282.525	282.080	281.748	281.852	281.605	281.581	281.494	10
11	281.731	281.712	281.708	281.823	282.858	282.484	282.047	281.775	281.889	281.633	281.585	281.500	11
12	281.728	281.717	281.705	281.839	282.878	282.448	282.034	281.773	281.809	281.618	281.549	281.511	12
13	281.728	281.718	281.703	281.879	282.871	282.461	282.032	281.773	281.819	281.606	281.547	281.509	13
14	281.732	281.719	281.703	281.881	282.881	282.445	282.018	281.789	281.820	281.593	281.548	281.502	14
15	281.739	281.722	281.702	282.028	282.888	282.424	281.982	281.748	281.828	281.574	281.549	281.503	15
16	281.738	281.724	281.704	282.088	282.874	282.381	281.874	281.788	281.848	281.587	281.581	281.504	16
17	281.735	281.727	281.698	282.158	282.874	282.378	281.868	281.780	281.872	281.585	281.583	281.507	17
18	281.735	281.728	281.700	282.203	282.859	282.386	281.880	281.752	281.883	281.583	281.583	281.507	18
19	281.737	281.720	281.698	282.230	282.855	282.382	281.881	281.762	281.870	281.585	281.581	281.508	19
20	281.737	281.718	281.698	282.263	282.845	282.339	281.869	281.767	281.851	281.548	281.549	281.505	20
21	281.736	281.720	281.701	282.288	282.838	282.309	281.861	281.784	281.828	281.558	281.549	281.500	21
22	281.731	281.712	281.700	282.281	282.828	282.308	281.858	281.711	281.674	281.533	281.547	281.501	22
23	281.731	281.711	281.699	282.288	282.847	282.285	281.891	281.710	281.803	281.529	281.550	281.501	23
24	281.727	281.709	281.701	282.308	282.820	282.257	281.817	281.705	281.821	281.558	281.548	281.501	24
25	281.728	281.712	281.707	282.310	282.780	282.238	281.821	281.711	281.815	281.567	281.545	281.501	25
26	281.726	281.715	281.718	282.318	282.770	282.248	281.801	281.736	281.884	281.559	281.541	281.487	26
27	281.730	281.716	281.728	282.320	282.781	282.280	281.817	281.713	281.834	281.569	281.534	281.488	27
28	281.730	281.713	281.735	282.327	282.788	282.241	281.882	281.718	281.843	281.554	281.538	281.487	28
29	281.727	281.710	281.738	282.338	282.744	282.207	281.868	281.724	281.822	281.554	281.543	281.500	29
30	281.724		281.732	282.340	282.761	282.182	281.871	281.722	281.800	281.552	281.548	281.498	30
31	281.723		281.736		282.709		281.827	281.689		281.598		281.488	31
MEAN	281.733	281.717	281.710	282.038	282.777	282.426	281.893	281.735	281.838	281.585	281.582	281.503	MEAN
MAX	281.741	281.727	281.736	282.340	282.891	282.679	282.170	281.885	281.704	281.633	281.572	281.545	MAX
MIN	281.723	281.709	281.698	281.734	282.383	282.182	281.827	281.689	281.480	281.529	281.534	281.494	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 281.870
MAXIMUM DAILY, 282.891 ON MAY 14
MINIMUM DAILY, 281.480 ON SEP 8
MAXIMUM INSTANTANEOUS,
282.987 AT 13:27 CST ON MAY 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 53 40 N
LONG 101 27 50 W

NATURAL FLOW

DRAINAGE AREA,
14 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1913 ADJ.)

RED DEER RIVER NEAR THE MOUTH - STATION NO. 05LC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.518	4.008	2.888	4.888	61.8	73.1	32.0	14.8	8.12	7.10	3.378	2.12 B	1
2	5.328	3.978	2.858	5.518	77.1	75.7	31.8	14.2	8.88	6.28	3.318	2.10 B	2
3	5.148	3.918	2.858	7.138	88.8	68.8	30.4	14.8	7.83	6.00	3.288	2.08 B	3
4	5.088	3.888	2.888	9.128	91.0	65.8	28.8	14.5	7.58	5.17	3.238	2.00 B	4
5	5.028	3.858	3.048	10.7 B	90.1	63.0	27.8	14.0	7.01	5.04	3.198	1.97 B	5
6	4.968	3.828	3.108	12.0 B	89.4	61.3	26.8	12.9	6.58	5.01	3.168	1.92 B	6
7	4.838	3.798	3.138	13.0 B	88.4	58.9	32.1	20.7	8.70	4.83	3.108	1.80 B	7
8	4.908	3.738	3.168	14.4 B	88.8	55.7	31.3	13.0	19.1	4.38	3.078	1.88 B	8
9	4.878	3.708	3.188	15.8 B	88.4	58.9	29.8	12.5	14.3	7.08	3.048	1.80 B	9
10	4.818	3.678	3.108	17.2 B	88.5	56.0	24.9	12.4	8.83	7.18	2.988	1.77 B	10
11	4.788	3.618	3.078	18.7 B	88.1	55.8	23.4	11.3	8.73	6.10	2.938	1.72 B	11
12	4.758	3.588	3.048	20.1 B	101	56.8	22.4	10.1	8.47	2.68	2.888	1.70 B	12
13	4.728	3.558	3.048	21.8 B	97.2	52.4	22.7	10.1	7.37	3.71	2.888	1.88 B	13
14	4.688	3.488	3.018	23.1 B	96.4	50.1	23.8	9.78	8.88	4.07	2.808	1.82 B	14
15	4.638	3.488	3.018	24.8	94.5	48.8	26.7	10.8	8.38	8.11	2.778	1.87 B	15
16	4.608	3.438	2.988	28.8	93.3	48.8	23.8	9.87	4.90	6.23	2.748	1.82 B	16
17	4.578	3.408	2.958	34.4	89.4	46.5	23.6	8.88	5.87	4.58	2.688	1.80 B	17
18	4.518	3.378	2.958	38.3	93.2	43.4	22.5	8.48	6.08	5.22	2.658	1.48 B	18
19	4.488	3.318	2.928	40.5	91.1	80.5	23.1	8.04	5.44	4.92	2.628	1.42 B	19
20	4.488	3.288	2.928	41.8	89.6	42.1	22.3	8.38	5.37	8.58	2.598	1.37 B	20
21	4.428	3.198	2.928	42.8	88.3	41.8	21.3	10.1	5.01	5.88	2.838	1.32 B	21
22	4.368	3.138	2.928	48.5	88.1	38.8	20.1	10.0	7.34	4.488	2.808	1.30 B	22
23	4.338	3.108	2.958	48.5	78.8	37.2	28.5	14.2	8.88	7.588	2.478	1.28 B	23
24	4.308	3.078	3.018	48.8	74.1	39.0	18.7	11.8	8.85	4.548	2.418	1.22 B	24
25	4.278	3.048	3.108	47.3	84.3	38.1	18.8	10.7	8.40	4.08	2.388	1.17 B	25
26	4.218	3.048	3.348	48.8	82.3	34.4	18.7	9.80	4.67	3.85	2.358	1.12 B	26
27	4.188	3.048	3.708	47.1	80.8	33.0	18.4	12.2	8.30	3.54	2.298	1.10 B	27
28	4.158	3.018	4.008	47.8	78.8	32.3	18.1	8.74	4.38	3.528	2.258	1.08 B	28
29	4.128	3.018	4.158	48.3	78.7	30.2	18.8	8.01	8.07	3.488	2.208	1.02 B	29
30	4.038		4.308	50.0	76.1	30.5	15.8	7.70	8.28	3.438	2.178	0.8758	30
31	4.038		4.458		74.8		18.4	8.20		3.408		0.8308	31
TOTAL	143.08	100.40	99.28	871.88	2 713.8	1 483.7	746.7	350.44	211.58	153.87	82.78	47.468	TOTAL
MEAN	4.82	3.48	3.20	29.1	87.8	48.8	24.1	11.3	7.05	4.98	2.78	1.53	MEAN
MAX	8.81	4.00	4.48	50.0	101	75.7	32.1	20.7	19.1	7.58	3.37	2.12	MAX
MIN	4.03	3.01	2.92	4.88	81.8	30.2	15.8	7.70	4.38	2.58	2.17	0.830	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.1
MAXIMUM DAILY, 101 ON MAY 12
MINIMUM DAILY, 0.8308 ON DEC 31
MAXIMUM INSTANTANEOUS,
107 AT 13:55 CST ON MAY 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 53 45 N
LONG 101 02 38 W
DRAINAGE AREA, 14 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	12 400	JUL	64 500
FEB	8 670	AUG	30 300
MAR	8 580	SEP	18 300
APR	75 300	OCT	13 300
MAY	234 000	NOV	7 150
JUN	128 000	DEC	4 100

TOTAL DISCHARGE, 605 000 dam³

RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE - STATION NO. 05OC021

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	223.840	223.298	223.858	---	---	---	---	---	---	1
2	---	---	---	224.026	223.452	223.795	---	---	---	---	---	---	2
3	---	---	---	224.204	223.578	223.806	---	---	---	---	---	---	3
4	---	---	---	224.482	223.840	223.795	---	---	---	---	---	---	4
5	---	---	---	224.770	223.888	223.784	---	---	---	---	---	---	5
6	---	---	---	224.990	223.888	223.738	---	---	---	---	---	---	6
7	---	---	---	225.408	223.888	223.892	---	---	---	---	---	---	7
8	---	---	---	225.715	223.888	223.878	---	---	---	---	---	---	8
9	---	---	---	225.862	223.859	223.888	---	---	---	---	---	---	9
10	---	---	---	225.580	223.882	223.881	---	---	---	---	---	---	10
11	---	---	---	225.405	223.728	223.899	---	---	---	---	---	---	11
12	---	---	---	225.203	223.738	223.749	---	---	---	---	---	---	12
13	---	---	---	224.847	223.883	223.715	---	---	---	---	---	---	13
14	---	---	---	224.835	223.864	223.714	---	---	---	---	---	---	14
15	---	---	---	224.323	223.892	223.710	---	---	---	---	---	---	15
16	---	---	---	224.053	223.713	223.895	---	---	---	---	---	---	16
17	---	---	---	223.895	223.889	223.708	---	---	---	---	---	---	17
18	---	---	---	223.858	223.894	223.804	---	---	---	---	---	---	18
19	---	---	---	223.458	223.895	223.736	---	---	---	---	---	---	19
20	---	---	---	223.283	223.885	223.727	---	---	---	---	---	---	20
21	---	---	---	223.122	223.877	223.728	---	---	---	---	---	---	21
22	---	---	---	223.001	223.877	223.720	---	---	---	---	---	---	22
23	---	---	---	222.898	223.873	223.723	---	---	---	---	---	---	23
24	---	---	223.335A	222.807	223.868	223.727	---	---	---	---	---	---	24
25	---	---	223.262	222.732	223.868	223.742	---	---	---	---	---	---	25
26	---	---	223.283	222.889	223.871	223.710	---	---	---	---	---	---	26
27	---	---	223.197	222.895	223.855	223.711	---	---	---	---	---	---	27
28	---	---	223.171	222.728	223.835	223.781	---	---	---	---	---	---	28
29	---	---	223.238	222.881	223.825	223.806	---	---	---	---	---	---	29
30	---		223.380	223.083	223.840	223.778	---	---	---	---	---	---	30
31	---		223.606		223.840		---	---		---		---	31
MEAN	---	---	---	224.003	223.851	223.731	---	---	---	---	---	---	MEAN
MAX	---	---	---	225.715	223.738	223.806	---	---	---	---	---	---	MAX
MIN	---	---	---	222.885	223.298	223.858	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 225.715 ON APR 8

MAXIMUM INSTANTANEOUS,
225.733 AT 18:45 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 10 N
LONG 97 08 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

RED RIVER AT EMERSON - STATION NO. 05OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.0B	13.1B	16.3B	173 B	80.1	74.5	21.0	7.72	7.01	20.0	5.55B	8.85B	1
2	16.7B	13.1B	16.7B	187 B	48.0	66.5	20.6	7.16	6.62	17.8	6.57B	8.93B	2
3	16.2B	12.8B	17.0B	200 B	45.6	61.5	18.7	6.76	6.66	16.8	6.01	9.26B	3
4	16.1B	13.1B	17.3B	220 B	44.2	55.6	16.1	6.46	6.53	16.2	6.16	9.30B	4
5	16.1B	13.3B	17.6B	262 B	43.3	46.9	16.6	6.23	6.37	15.5	6.10	9.15B	5
6	15.6B	13.6B	18.1B	329 B	42.8	44.0	17.0	6.08	6.22	14.8	6.48	8.89B	6
7	14.7B	13.6B	18.7B	426 B	42.2	38.5	17.7	6.18	6.08	13.5	6.66	8.88B	7
8	13.6B	13.7B	19.6B	444 B	41.8	37.9A	18.2	6.20	6.04	12.2	6.02	8.57B	8
9	13.2B	14.0B	20.0B	411	40.7	33.5	18.3	6.28	5.90	10.5	6.15	8.34B	9
10	12.7B	14.2B	20.3B	377	40.2	30.9	17.1	6.47	5.57	9.59	6.14	8.09B	10
11	12.5B	14.4B	21.4B	343	40.2	29.0	15.6	6.74	5.80	8.19	6.67	7.86B	11
12	12.4B	14.6B	23.7B	308	40.0	27.8	14.4	6.87	5.84	7.50	6.59	7.48B	12
13	12.4B	14.6B	26.4B	264	39.5	26.5	13.5	7.33	5.66	7.29	6.86	7.43B	13
14	12.2B	14.6B	30.0B	220	39.3	24.4	12.1	7.86	5.53	7.11	6.00B	7.43B	14
15	11.8B	14.8B	61.7B	182	38.7	22.6	11.2	8.09	5.70	6.90	5.76B	7.24B	15
16	11.8B	15.0B	87.0B	155	38.2	21.1	10.5	8.32	5.88	6.72	5.00B	6.92B	16
17	11.8B	15.1B	103 B	135	38.2	20.4	9.93	8.56	6.05	6.45	6.30B	6.43B	17
18	12.0B	15.0B	106 B	120	36.0	20.2	9.75	8.81	6.25	6.33	7.00B	6.00B	18
19	12.2B	15.0B	105 B	107	36.4	19.4	9.28	9.24	6.42	6.53	8.54B	6.01B	19
20	12.2B	14.9B	99.2B	95.5	38.0	18.7	9.06	9.53	6.31	6.72	9.30B	5.98B	20
21	12.2B	14.8B	92.4B	88.3	37.5	18.6	8.65	9.90	6.23	6.84	10.1 B	5.84B	21
22	12.4B	14.8B	86.7B	81.5	36.5	18.2	8.75	10.2	6.47	6.72	10.3 B	6.02B	22
23	12.6B	14.6B	82.7B	76.3	35.3	18.3	8.57	10.5	7.29	6.84	9.81B	6.03B	23
24	12.8B	14.7B	80.7B	72.2	32.7	18.8	9.36	10.7	9.10	6.80	9.20B	6.13B	24
25	12.8B	15.0B	80.6B	68.2	32.3	19.9	9.80	10.4	14.1	6.83	8.95B	6.21B	25
26	12.8B	15.2B	80.8B	65.3	31.4	20.1	10.3	9.45	20.3	6.82	8.88B	6.10B	26
27	12.8B	15.4B	87.7B	62.2	31.6	20.7	11.5	8.77	24.3	7.09B	9.12B	5.07B	27
28	12.8B	15.7B	104 B	58.9	32.7	21.1	11.7	8.08	25.4	6.78B	9.08B	6.10B	28
29	12.7B	15.8B	124 B	55.6	35.5	21.0	10.3	7.80	24.8	7.08B	9.00B	6.47B	29
30	12.8B		144 B	52.7	54.5	20.9	9.07	7.34	22.4	7.76B	9.04B	6.84B	30
31	13.0B		181 B		75.5		8.19	7.17		9.14B		6.84B	31
TOTAL	413.7	418.9	1 981.6	5 626.8	1 267.5	924.3	406.81	247.24	282.21	288.05	263.21	225.28	TOTAL
MEAN	13.3	14.4	63.9	188	40.9	30.8	13.1	7.98	9.41	9.55	8.77	7.27	MEAN
MAX	17.0	15.9	181	444	75.5	74.5	21.0	10.7	25.4	20.0	10.3	9.30	MAX
MIN	11.8	12.8	16.3	52.7	31.4	18.7	8.19	6.09	5.53	6.33	5.00	5.93	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.8
MAXIMUM DAILY, 444B ON APR 8
MINIMUM DAILY, 5.00B ON NOV 16
MAXIMUM INSTANTANEOUS,
461B AT 23:00 CST ON APR 7

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 30 N
LONG 97 12 40 W
DRAINAGE AREA, 104 000 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	35 700	JUL	35 100
FEB	36 200	AUG	21 400
MAR	171 000	SEP	24 400
APR	486 000	OCT	25 900
MAY	110 000	NOV	22 700
JUN	79 900	DEC	19 500

TOTAL DISCHARGE, 1 070 000 dam^3

RED RIVER AT JAMES AVENUE PUMPING STATION - STATION NO. 05OJ015

DAILY WATER LEVEL IN METRES FOR 1968

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	221.663	221.677	221.738E	222.907	223.306	223.606	223.683	223.672	223.662	223.648	221.638	221.131	1
2	221.636	221.661A	221.713E	222.893	223.461	223.603	223.667	223.639	223.656	223.640	221.334	221.114	2
3	221.631	221.673E	221.677E	222.875	223.550	223.714	223.667	223.636	223.656	223.628	221.186	221.084	3
4	221.623	221.688E	221.649E	223.139	223.606	223.712	223.642	223.627	223.650	223.637	221.112	221.068A	4
5	221.624	221.696A	221.614E	223.437	223.648	223.700	223.678	223.622	223.663	223.636	221.104	221.027E	5
6	221.623	221.695	221.584E	223.536	223.677	223.663	223.680	223.609	223.673	223.648	221.108	221.017E	6
7	221.618	221.667	221.567A	223.603	223.666	223.644	223.641	223.676	223.676	223.652	221.107	221.023E	7
8	221.613	221.652	221.536	224.303	223.650	223.626	223.640	223.681	223.686	223.651	221.101	221.084A	8
9	221.613	221.651	221.484	224.348	223.633	223.645	223.686	223.680	223.686	223.642	221.106	221.087	9
10	221.608	221.657	221.481	224.306	223.573	223.695	223.680	223.630	223.686	223.644	221.093	221.126	10
11	221.602	221.657	221.507	224.183	223.715	223.691	223.696	223.684	223.686	223.671	221.088A	221.136	11
12	221.487	221.681	221.507	223.982	223.696	223.709	223.682	223.711	223.695	223.682	---	221.144	12
13	221.600	221.695	221.602	223.761	223.648	223.670	223.688	223.717	223.673	223.708	---	221.136	13
14	221.607	221.674	221.586	223.536	223.641	223.675	223.651	223.686	223.683	223.694	---	221.145	14
15	221.611	221.695	221.586	223.304	223.694	223.667	223.649	223.638	223.694	223.673	---	221.162	15
16	221.605	221.614	221.601	223.173	223.696	223.680	223.680	223.676	223.700	223.667	---	221.136	16
17	221.483	221.624	221.704	223.108	223.686	223.698	223.688	223.708	223.680	223.686	---	221.094	17
18	221.489	221.634	221.636	222.982	223.685	223.775	223.677	223.686	223.650	223.638	---	221.087A	18
19	221.602	221.644	222.189	222.613	223.686	223.676	223.694	223.663	223.662	223.634	---	221.068A	19
20	221.611	221.662	222.386	222.648	223.661	223.698	223.661	223.661	223.686	223.631	---	221.069	20
21	221.620	221.663	222.412	222.510	223.650	223.676	223.650	223.669	223.662	223.631	---	221.084	21
22	221.624	221.650	222.403	223.417	223.662	223.686	223.636	223.665	223.640	223.628	---	221.088	22
23	221.627	221.667	222.362	222.328	223.648	223.685	223.618	223.677	223.627	223.610	---	221.085	23
24	221.621	221.671	222.286	222.220	223.648	223.689	223.611	223.671	223.663	223.588	---	221.085	24
25	221.624	221.673	222.237	222.126	223.662	223.686	223.621	223.667	223.661	223.483	221.088A	221.070	25
26	221.630	221.676	222.217	222.069	223.686	223.667	223.686	223.667	223.672	223.318	221.083	221.085	26
27	221.636	221.663	222.182	222.228	223.641	223.662	223.709	223.650	223.680	223.170	221.138	221.072	27
28	221.649	221.686A	222.113	222.504	223.621	223.719	223.711	222.636	223.686	223.005	221.171	221.068	28
29	221.667	221.713E	222.116	222.782	223.616	223.726	223.669	223.663	223.661	222.618	221.182	221.088	29
30	221.667		222.186	223.063	223.636	223.661	223.627	223.686	223.663	222.597	221.143	221.087	30
31	221.688		222.346		223.622		223.706	223.696		222.291		221.111	31
MEAN	221.623	221.612	221.886	223.080	223.636	223.660	223.668	223.656	223.686	223.491	---	221.087	MEAN
MAX	221.683	221.713	222.412	224.348	223.715	223.775	223.711	223.717	223.700	223.706	---	221.162	MAX
MIN	221.487	221.651	221.481	222.069	223.306	223.609	223.611	223.661	223.627	222.291	---	221.017	MIN

SUMMARY FOR THE YEAR 1968

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 45 N
LONG 97 07 50 W

MAXIMUM INSTANTANEOUS,
224.360 AT 17:27 CST ON APR 9

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
287 000 km²

RED RIVER FLOODWAY NEAR ST. NORBERT - STATION NO. 05OC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1968

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---	---	0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 AT 00:01 CST ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 24 N
LONG 97 07 35 W

REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

REMARKS - LOCAL INFLOW IS NOT MONITORED

RED RIVER NEAR LOCKPORT - STATION NO. 05OJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.6B	21.6B	19.9B	190 B	76.0	136	66.6	24.2	19.9	41.6	15.0	15.3E	1
2	26.6B	21.6B	20.1B	190 B	76.6	136	66.2	22.6	19.4	41.1	16.0	15.4B	2
3	26.2B	21.6B	20.3B	220 B	76.0	136	65.2	21.6	19.1	37.7	17.6	16.0B	3
4	26.6B	21.6B	20.6B	260 B	77.0	136	64.3	20.2	18.4	31.1	18.0	16.2B	4
5	26.6B	21.4B	21.0B	300 B	80.0	132	63.9	19.2	18.0	28.1	18.5	16.1B	5
6	26.2B	21.4B	21.6B	348 B	82.6	114	63.4	18.7	17.1	26.7	18.5	16.0B	6
7	24.6B	21.3B	22.2B	440	86.1	108	64.3	18.4	16.9	23.6	20.0	17.0B	7
8	24.7B	21.2B	23.0B	541	86.6	86.6	65.7	18.1	16.2	22.3	20.5	17.3B	8
9	24.6B	21.2B	24.0B	536	86.4	82.0	66.0	18.1	16.0	20.6	20.0	17.4B	9
10	24.3B	21.1B	25.0B	630	86.0	86.2	67.7	19.0	16.3	19.7	20.0	17.9B	10
11	24.0B	21.1B	26.5B	621	102	81.2	66.6	19.4	16.7	19.5	19.2	17.6B	11
12	23.6B	21.0B	28.0B	600	106	76.6	64.6	18.6	16.1	18.6	17.0	17.8B	12
13	23.5B	21.0B	30.0B	480	106	76.6	59.9	20.6	16.3	17.6	16.0	17.6B	13
14	23.3B	20.9B	32.0B	400	106	76.6	54.6	21.6	16.1	17.2	14.7B	16.8B	14
15	23.1B	20.6B	36.0B	370	116	77.9	51.6	23.1	17.9	17.2	15.5B	15.0B	15
16	22.9B	20.7B	40.0B	300	116	75.6	48.7	23.4	17.7	17.5	16.5B	12.0B	16
17	22.7B	20.6B	60.0B	280	117	72.3	46.2	23.6	17.9	17.0	13.3B	11.0B	17
18	22.6B	20.6B	90.0B	218	117	71.6	44.2	23.6	18.2	16.5	13.0B	11.3B	18
19	22.5B	20.5B	120 B	184	121	70.2	42.1	23.1	18.3	16.4	11.6B	11.5B	19
20	22.4B	20.5B	124 B	181	126	68.5	38.8	23.9	18.5	16.7	11.2B	12.0B	20
21	22.4B	20.4B	122 B	147	123	69.3	36.1	24.7	18.4	16.2	11.6B	12.3B	21
22	22.3B	20.3B	120 B	135	117	68.4	35.4	25.4	18.4	16.1	12.0B	11.6B	22
23	22.2B	20.3B	116 B	122	116	68.5	35.0	26.0	24.4	16.0	13.0B	12.6B	23
24	22.1B	20.3B	114 B	107	117	68.2	34.0	26.2	26.3	50.0	15.0B	13.0B	24
25	22.1B	20.2B	112 B	96.3	114	67.6	32.0	26.0	27.1	66.0	16.0B	13.2B	25
26	22.0B	20.1B	110 B	85.7	112	66.3	31.3	25.6	31.4	65.0	15.0B	13.3B	26
27	22.0B	20.1B	108 B	75.2	108	66.6	30.2	26.2	36.9	46.0	13.0B	13.4B	27
28	21.9B	20.0B	106 B	74.0	106	66.1	28.8	32.6	43.1	36.0	12.6B	13.6B	28
29	21.8B	20.0B	116 B	77.0	103	67.6	28.0	32.0	44.6	33.0	13.6B	13.8B	29
30	21.7B		127 B	76.0	103	67.6	26.9	31.4	42.6	16.0	14.2B	13.7B	30
31	21.7B		140 B		110		25.7	30.6		16.0		13.8B	31
TOTAL	727.6	603.1	2 100.2	7 906.2	3 246.2	2 564.7	1 516.2	686.4	678.1	813.3	466.3	451.1	TOTAL
MEAN	23.5	20.6	67.7	264	105	85.2	49.0	22.1	22.6	26.2	15.6	14.6	MEAN
MAX	26.6	21.6	140	541	126	136	66.6	26.2	44.6	66.0	20.6	17.6	MAX
MIN	21.7	20.0	19.9	76.0	76.6	67.6	25.7	18.1	16.0	16.0	11.2	11.0	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 59.6
MAXIMUM DAILY, 541 ON APR 8
MINIMUM DAILY, 11.0B ON DEC 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 26 N
LONG 96 55 54 W
DRAINAGE AREA, 287 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	62 900	JUL	131 000
FEB	52 100	AUG	59 300
MAR	181 000	SEP	58 400
APR	683 000	OCT	70 300
MAY	281 000	NOV	40 500
JUN	223 000	DEC	39 000

TOTAL DISCHARGE, 1 880 000 dam³

REMARKS - THESE DATA ARE A SUMMATION FROM SEVEN UPSTREAM FLOW STATIONS

RED RIVER NEAR ST. ADOLPHE - STATION NO. 05OC003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	223.083E	223.600E	223.683E	---	223.614E	223.610	222.283E	---	1
2	---	---	---	---	223.126	223.600E	223.683E	---	223.604E	223.607E	222.223E	---	2
3	---	---	---	---	223.400E	223.588E	223.688E	---	223.594E	223.604	222.152E	---	3
4	---	---	---	---	223.674	223.588E	223.589	---	223.584E	223.608E	222.082E	---	4
5	---	---	---	---	223.644E	223.588E	223.584E	---	223.574	223.907	222.011E	---	5
6	---	---	---	---	223.613E	223.586	223.578E	---	222.577E	223.601E	221.941E	---	6
7	---	---	---	---	223.582	223.601E	223.574	---	223.580	223.586	221.870E	---	7
8	---	---	---	---	223.627E	223.604	223.617	---	223.588E	223.600E	221.800	---	8
9	---	---	---	---	223.671	223.621E	223.611E	---	223.595	223.605E	221.888E	---	9
10	---	---	---	226.274	223.717E	223.636	223.606E	---	223.600E	223.610	222.136	---	10
11	---	---	---	226.084E	223.783	223.652E	223.601E	---	223.605E	223.607E	222.133E	---	11
12	---	---	---	225.864E	223.746E	223.697E	223.595	---	223.610E	223.604E	222.111	---	12
13	---	---	---	225.643	223.736E	223.661E	223.606E	---	223.618E	223.601	222.104E	---	13
14	---	---	---	225.278E	223.706	223.606	223.622E	---	223.620	223.598E	222.097E	---	14
15	---	---	---	224.812E	223.702E	223.656E	223.636	---	223.618E	223.595E	222.088	---	15
16	---	---	---	224.546	223.686	223.617	223.632E	---	223.618E	223.592E	222.086E	---	16
17	---	---	---	224.388E	223.683E	223.613E	223.632E	---	223.614E	223.586	222.102	---	17
18	---	---	---	224.082	223.680	223.607E	223.630E	---	223.612E	223.583E	222.106	---	18
19	---	---	---	223.868E	223.667E	223.603E	223.626	---	223.610	223.577	---	---	19
20	---	---	---	223.718E	223.706	223.596	223.630E	---	223.609E	223.540E	---	---	20
21	---	---	---	223.563	223.697E	223.601E	223.610	---	223.607	223.504E	---	---	21
22	---	---	---	223.412E	223.686E	223.583	223.612E	---	223.586E	223.467	---	---	22
23	---	---	---	223.272	223.661	223.618E	223.618E	---	223.531	223.348E	---	---	23
24	---	---	---	223.223E	223.648E	223.647	223.618E	---	223.572E	223.222E	---	---	24
25	---	---	---	223.176E	223.652E	223.631E	223.630E	---	223.614E	223.098E	---	---	25
26	---	---	---	223.126	223.636	223.614E	223.623	223.586	223.566	222.977E	---	---	26
27	---	---	---	223.040E	223.630E	223.596	223.632E	223.563E	223.647E	222.454E	---	---	27
28	---	---	---	222.988	223.601	223.597E	223.641	223.630E	223.536	222.732E	---	---	28
29	---	---	---	223.986E	223.601E	223.586	223.578E	223.577	223.630E	222.609E	---	---	29
30	---		---	223.040E	223.601E	223.594E	223.618	223.635	223.630E	222.486E	---	---	30
31	---		---		223.600E		---	223.625E		222.384		---	31
MEAN	---	---	---	---	223.623	223.617	---	---	223.604	223.376	---	---	MEAN
MAX	---	---	---	---	223.783	223.696	---	---	223.666	223.610	---	---	MAX
MIN	---	---	---	---	223.083	223.583	---	---	223.531	222.384	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 50 N
LONG 97 09 52 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA,
116 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER NEAR STE. AGATHE - STATION NO. 05OC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.7B	17.4B	18.3B	157 B	45.6	83.2	22.2	10.4	9.70	20.4	8.48	7.78B	1
2	19.0B	17.7B	18.0B	171 B	44.8	74.2	22.0	9.70	9.30	18.4	8.58	8.42B	2
3	20.0B	18.3B	17.3B	186 B	44.7	74.2	21.0	9.00	9.00	17.3	9.20	8.88B	3
4	19.4B	18.3B	16.0B	218 B	46.3	70.4	20.3	8.20	8.80	16.8	9.04	8.51B	4
5	18.8B	18.7B	16.3B	283 B	44.9	63.8	19.0	7.80	8.20	15.9	8.82	8.71B	5
6	18.1B	19.3B	18.1B	291 B	44.8	57.1	18.2	7.80	7.88	15.0	9.08	9.02B	6
7	17.8B	19.3B	19.4B	383 B	43.2	50.8	18.8	7.38	7.20	14.0	9.40	8.88B	7
8	17.3B	19.9B	20.7B	441 B	43.8	48.0	18.5	7.20	8.60	12.8	9.64	8.74B	8
9	16.8B	19.8B	21.1B	440	42.6	41.1	19.8	7.30	8.40	11.6	9.69A	8.74B	9
10	14.3B	19.8B	21.8B	438	41.8	37.8	19.5	7.80	8.08	11.2	10.2	9.01B	10
11	13.3B	19.8B	22.3B	405	42.0	34.4	19.0	8.40	8.00	11.1	9.88B	9.08B	11
12	12.3B	19.8B	22.8B	378	44.1	34.8	18.2	8.20	8.10	10.3	9.84B	9.09B	12
13	12.3B	19.8B	24.7B	337	42.4	33.1	17.0	10.0	8.20	9.00	7.81B	8.37B	13
14	12.3B	19.8B	26.8B	283	39.7	31.8	16.4	10.6	8.10	8.70	7.60B	7.48B	14
15	12.4B	19.8B	37.0B	250	41.8	29.7	16.7	11.7	8.20	8.87	7.80B	6.76B	15
16	12.8B	19.8B	58.8B	211	42.2	26.8	13.7	11.8	8.33A	8.41	8.87B	8.42B	16
17	12.9B	19.3B	81.8B	178	39.7	23.8	12.7	12.3	8.60E	8.30	8.12B	8.42B	17
18	13.0B	19.0B	117 B	150	38.8	22.3	12.1	12.8	8.83E	8.12	8.82B	8.77B	18
19	13.4B	17.8B	130 B	126	40.3	21.2	11.7	13.0	8.88E	7.90	8.43B	8.72B	19
20	13.7B	17.0B	132 B	112	39.8	20.6	11.8	13.8	7.04E	8.00	8.84B	8.58B	20
21	14.4B	16.3B	126 B	89.0	38.8	19.8	11.4	14.2	7.07E	8.24	8.08B	8.08B	21
22	14.4B	15.7B	121 B	86.2	36.8	19.8	11.3	14.8	8.88A	8.40	8.42B	8.92B	22
23	14.8B	15.1B	114 B	78.1	36.8	20.0	11.3	14.8	7.40	8.42	7.88B	8.32B	23
24	14.9B	15.1B	108 B	71.8	36.8	20.2	11.8	15.2	8.00	8.33	8.38B	8.88B	24
25	15.1B	16.3B	107 B	84.1	34.9	20.8	12.0	15.5	8.40	8.24	8.39B	8.88B	25
26	15.8B	15.8B	105 B	80.4	34.8	20.8	12.7	15.4	15 9	8.37	7.43B	7.20B	26
27	15.9B	15.8B	104 B	86.8	33.2	21.2	13.2	15.4	15.6	8.38	8.88B	7.73B	27
28	16.3B	15.8B	102 B	83.0	32.1	21.8	13.7	13.8	23.0	8.20	8.74B	7.87B	28
29	16.8B	15.7B	108 B	48.7	32.3	21.8	14.1	11.7	24.8	8.08	8.18B	7.18B	29
30	16.8B		122 B	47.3	34.3	22.0	12.8	10.8	22.0	8.14	7.03B	8.81B	30
31	17.2B		141 B		43.4		11.4	10.3		8.25		8.88B	31
TOTAL	480.7	505.8	2 114.8	5 085.8	1 249.9	1 095.0	482.8	348.38	286.31	333.80	231.62	238.11	TOTAL
MEAN	15.5	17.5	68.2	203	40.3	36.5	15.6	11.2	9.54	10.7	7.73	7.68	MEAN
MAX	20.0	19.3	141	441	46.3	74.2	22.2	15.5	24.8	20.4	10.2	9.08	MAX
MIN	12.3	15.1	16.3	47.3	32.1	19.8	11.3	7.30	8.00	7.90	5.09	6.93	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 36.7
MAXIMUM DAILY, 441B ON APR 6
MINIMUM DAILY, 5.08B ON NOV 21
MAXIMUM INSTANTANEOUS,
449 AT 13:00 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 40 N
LONG 97 10 52 W
DRAINAGE AREA, 117 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	41 500	JUL	41 700
FEB	43 800	AUG	29 900
MAR	183 000	SEP	24 700
APR	526 000	OCT	28 800
MAY	108 000	NOV	20 000
JUN	92 000	DEC	20 300

TOTAL DISCHARGE, 1 180 000 dam³

RED SUCKER LAKE AT RED SUCKER LAKE - STATION NO. 04AC008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.787	29.758	29.712	29.680	29.683	29.636	29.694	29.782	29.692	29.814	29.485	---	1
2	29.783	29.758	29.711	29.680	29.688	29.647	29.692	29.758	29.688	29.808	29.481	---	2
3	29.783	29.780	29.710	29.687	29.681	29.687	29.688	29.748	29.685	29.800	29.489	---	3
4	29.781	29.780	29.708	29.686	29.680	29.681	29.688	29.747	29.680	29.800	29.486	---	4
5	29.778	29.788	29.704	29.688	29.683	29.688	29.679	29.743	29.677	29.800	29.484	---	5
6	29.774	29.787	29.703	29.683	29.688	29.682	29.672	29.738	29.673	29.800	29.483	---	6
7	29.770	29.788	29.698	29.680	29.681	29.688	29.678	29.738	29.688	29.484	29.481	---	7
8	29.768	29.788	29.698	29.683	29.688	29.671	29.688	29.724	29.681	29.482	29.488	---	8
9	29.770	29.782	29.698	29.683	29.700	29.677	29.681	29.713	29.682	29.488	29.478	---	9
10	29.788	29.780	29.693	29.687	29.705	29.683	29.679	29.708	29.648	29.480	29.475	---	10
11	29.770	29.747	29.688	29.687	29.705	29.684	29.688	29.687	29.642	29.484	29.471	---	11
12	29.767	29.744	29.688	29.687	29.708	29.678	29.683	29.688	29.638	29.484	29.488	---	12
13	29.768	29.743	29.680	29.680	29.708	29.683	29.641	29.684	29.634	29.483	29.481	---	13
14	29.768	29.743	29.680	29.688	29.722	29.683	29.638	29.678	29.627	29.481	29.482	---	14
15	29.772	29.737	29.680	29.688	29.727	29.683	29.633	29.678	29.626	29.485	29.477	---	15
16	29.781	29.737	29.678	29.688	29.731	29.690	29.636	29.672	29.624	29.484	29.481	---	16
17	29.781	29.737	29.678	29.688	29.738	29.687	29.644	29.687	29.616	29.478	29.489	---	17
18	29.780	29.738	29.678	29.682	29.748	29.688	29.639	29.685	29.614	29.472	29.484	---	18
19	29.781	29.738	29.672	29.688	29.781	29.688	29.638	29.688	29.618	29.473	29.487	---	19
20	29.781	29.733	29.668	29.648	29.783	29.813	29.635	29.648	29.618	29.470	29.484	---	20
21	29.777	29.728	29.661	29.648	29.771	29.804	29.618	29.638	29.617	29.482	29.488	---	21
22	29.776	29.728	29.661	29.648	29.761	29.804	29.614	29.627	29.617	29.482	29.487	---	22
23	29.775	29.728	29.663	29.647	29.762	29.808	29.618	29.630	29.616	29.480	29.486	---	23
24	29.775	29.727	29.663	29.647	29.762	29.808	29.618	29.628	29.617	29.483	29.483	---	24
25	29.768	29.728	29.658	29.648	29.784	29.804	29.808	29.627	29.624	29.483	29.508	---	25
26	29.770	29.720	29.658	29.648	29.803	29.804	29.788	29.628	29.626	29.478	29.508	---	26
27	29.770	29.718	29.658	29.645	29.808	29.803	29.782	29.618	29.632	29.478	29.508	---	27
28	29.788	29.720	29.654	29.646	29.808	29.804	29.788	29.612	29.617	29.478	29.504	---	28
29	29.786	29.718	29.658	29.647	29.834	29.883	29.783	29.808	29.618	29.471	---	---	29
30	29.783		29.661	29.648	29.836	29.888	29.778	29.804	29.614	29.488	---	---	30
31	29.788		29.661		29.832		29.788	29.787		29.480		---	31
MEAN	29.773	29.740	29.680	29.663	29.737	29.688	29.640	29.678	29.638	29.484	---	---	MEAN
MAX	29.787	29.788	29.712	29.693	29.832	29.813	29.694	29.782	29.682	29.814	---	---	MAX
MIN	29.768	29.718	29.654	29.644	29.683	29.636	29.788	29.597	29.614	29.480	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.813 ON JUN 20
MINIMUM DAILY, 29.456 ON NOV 4
MAXIMUM INSTANTANEOUS,
29.836 AT 16:52 CST ON JUN 19

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 09 23 N
LONG 93 33 53 W

NATURAL FLOW

REINDEER LAKE AT BROCHET - STATION NO. 05DB001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	335.036	---	---	---	335.048	335.173	335.332	---	---	---	---	335.189	1
2	335.038	---	---	---	335.034	335.188	335.382	---	---	---	---	335.186	2
3	335.018	---	---	---	335.034	335.198	335.424	---	---	---	---	335.183	3
4	335.012	---	---	---	335.044	335.188	335.430	---	---	---	---	335.188	4
5	335.007A	---	---	---	335.047	335.178	335.430	---	---	---	---	335.172	5
6	---	---	---	---	335.044	335.161	335.458	---	---	---	---	335.187	6
7	---	---	---	---	335.058	335.188	335.520	---	---	---	---	335.186	7
8	---	---	---	---	335.087	335.228	335.518	---	---	---	---	335.180	8
9	---	---	---	---	335.081	335.238	335.484	---	---	---	335.188A	335.183	9
10	---	---	---	---	335.080	335.251	335.507	---	---	---	336.201	335.147	10
11	---	---	---	335.118A	335.070	335.302	335.522	---	---	---	335.149	335.153	11
12	---	---	---	335.123	335.065	335.213	335.524	---	---	---	335.150	335.152	12
13	---	---	---	335.108	335.068	335.282	335.482	---	---	---	335.158	335.143	13
14	---	---	---	335.100	335.058	335.287	335.530	---	---	---	335.158	335.150	14
15	---	---	---	335.096	335.072	335.275	335.547	---	---	---	335.178	335.146	15
16	---	---	---	335.085	335.073	335.294	335.554	---	---	---	335.178	335.145	16
17	---	---	---	335.092	335.073	335.278	335.557	---	---	---	335.168	335.134	17
18	335.538A	---	---	335.087	335.098	335.261	335.581	---	---	---	335.172	335.132	18
19	335.523	---	---	335.080	335.098	335.298	335.545	---	---	---	335.153	335.129	19
20	335.514	---	---	335.078	335.103	335.300	335.553	---	---	---	335.167	335.136	20
21	335.506	---	---	335.084	335.116	335.270	335.595	---	---	---	335.167	335.131	21
22	335.497	---	---	335.061	335.113	335.287	335.568	---	---	---	335.168	335.141	22
23	335.484	---	---	335.068	335.108	335.285	335.593	---	---	---	335.159	335.140A	23
24	335.488	---	---	335.084	335.110	335.298	335.595	---	---	---	335.191	335.142A	24
25	335.491	---	---	335.085	335.128	335.316	335.580	---	---	---	335.181	335.140A	25
26	335.482	---	---	335.061	335.123	335.309	335.579	---	---	---	335.185	335.145A	26
27	335.476	---	---	335.048	335.119	335.305	335.568	---	---	---	335.172	335.140A	27
28	335.468	---	---	335.048	335.128	335.307	335.584	---	---	---	335.185	335.137A	28
29	335.467	---	---	335.020	335.136	335.316	335.553	---	---	---	335.178	335.142A	29
30	335.458		---	335.040	335.134	335.333	---	---	---	---	335.185	335.141E	30
31	335.453		---		335.152		---	---	---	---		335.138E	31
MEAN	---	---	---	---	335.084	335.255	---	---	---	---	---	335.149	MEAN
MAX	---	---	---	---	335.152	335.333	---	---	---	---	---	335.189	MAX
MIN	---	---	---	---	335.034	335.161	---	---	---	---	---	335.129	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 335.020 ON APR 29

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 50 N
LONG 101 40 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1930

WATER LEVELS ARE REFERRED TO SASKATCHEWAN DEPARTMENT OF NATURAL RESOURCES DATUM

RENNIE RIVER NEAR RENNIE - STATION NO. 05PE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.003	0.007	0.004	0.022	0.002	0.012	0.013E	0.038	0.027	0.005	0.038	0.112	1
2	0.004	0.006	0.004	0.022	0.002	0.013	0.013E	0.040	0.026	0.005	0.036	0.117	2
3	0.004	0.006	0.004	0.023	0.002	0.013	0.013E	0.038	0.027	0.005	0.027	0.115	3
4	0.004	0.006	0.004	0.026	0.002	0.014	0.013E	0.033	0.028	0.005	0.030	0.098	4
5	0.005	0.006	0.004	0.024	0.002	0.014	0.014E	0.032	0.028	0.004	0.028	0.085	5
6	0.004	0.005	0.004	0.028	0.002	0.013	0.013E	0.033	0.028	0.004	0.028	0.087	6
7	0.006	0.005	0.004	0.021	0.003	0.014	0.013E	0.017	0.020	0.004	0.028	0.083	7
8	0.007	0.005	0.004	0.020	0.003	0.014	0.015A	0.018	0.008	0.004	0.036	0.082	8
9	0.007	0.005	0.004	0.018	0.003	0.016	0.020	0.015	0.005	0.004	0.037	0.082	9
10	0.008	0.005	0.004	0.015	0.003	0.018	0.014	0.013	0.008	0.004	0.035	0.081	10
11	0.008	0.005	0.004	0.016	0.003	0.018	0.018	0.014	0.008	0.004	0.038	0.081	11
12	0.008	0.005	0.003	0.018	0.003	0.014	0.032	0.018	0.008	0.003	0.040	0.084	12
13	0.008	0.006	0.003	0.014	0.002	0.014	0.018	0.021	0.008	0.003	0.038	0.087	13
14	0.008	0.005	0.003	0.014	0.003	0.015	0.013	0.022	0.008	0.003	0.037	0.085	14
15	0.007	0.005	0.004	0.015	0.006	0.018A	0.013	0.022	0.008	0.003	0.033	0.087	15
16	0.007	0.005	0.003	0.014	0.006	0.018E	0.018	0.021	0.008	0.003	0.032	0.088	16
17	0.007	0.005	0.003	0.012	0.006	0.018E	0.024	0.026	0.008	0.003	0.038	0.088	17
18	0.007	0.006	0.003	0.013	0.006	0.018E	0.031	0.030	0.007	0.003	0.042	0.114	18
19	0.007	0.005	0.003	0.013	0.006	0.018E	0.027	0.028	0.008	0.003	0.047	0.118	19
20	0.006	0.005	0.003	0.011	0.008	0.018E	0.038	0.028	0.008	0.003	0.064	0.126	20
21	0.008	0.005	0.003	0.010	0.007	0.018E	0.038	0.026	0.008	0.003	0.088	0.118	21
22	0.007	0.005	0.003	0.008	0.007	0.018E	0.034	0.023	0.007	0.003	0.081	0.128	22
23	0.008	0.004	0.003	0.010	0.008	0.018E	0.020	0.024	0.008	0.003	0.081	0.162	23
24	0.008	0.004	0.004	0.008	0.008	0.013E	0.017	0.025	0.008	0.003	0.083	0.170	24
25	0.008	0.004	0.007	0.004	0.008	0.013E	0.017	0.020	0.008	0.025	0.092	0.186	25
26	0.007	0.005	0.014	0.003	0.007	0.013E	0.017	0.020	0.008	0.015	0.098	0.186	26
27	0.007	0.004	0.017	0.004	0.008	0.013E	0.022	0.022	0.007	0.012	0.101	0.190	27
28	0.007	0.004	0.018	0.004	0.008	0.014E	0.025	0.023	0.007	0.018	0.108	0.178	28
29	0.007	0.004	0.016	0.003	0.008	0.013E	0.031	0.025	0.007	0.028	0.111	0.177	29
30	0.007		0.018	0.003	0.012	0.013E	0.035	0.028	0.008	0.028	0.111	0.182	30
31	0.007		0.018		0.012		0.036	0.026		0.027		0.183	31
TOTAL	0.188	0.148	0.187	0.410	0.182	0.431	0.863	0.781	0.327	0.238	1.818	3.798	TOTAL
MEAN	0.006	0.005	0.006	0.014	0.006	0.014	0.021	0.025	0.011	0.008	0.054	0.122	MEAN
MAX	0.007	0.007	0.018	0.026	0.012	0.018	0.036	0.040	0.027	0.028	0.111	0.190	MAX
MIN	0.003	0.004	0.003	0.003	0.002	0.012	0.013	0.013	0.006	0.003	0.027	0.081	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.024
MAXIMUM DAILY, 0.190 ON DEC 27
MINIMUM DAILY, 0.002 ON MAY 1
MAXIMUM INSTANTANEOUS,
0.305 AT 00:30 CST ON OCT 26

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 42 N
LONG 95 32 40 W
DRAINAGE AREA, 155 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	16.2	JUL	69.4
FEB	12.8	AUG	65.8
MAR	17.0	SEP	28.3
APR	35.4	OCT	20.6
MAY	16.0	NOV	140
JUN	37.2	DEC	328

TOTAL DISCHARGE, 770 dam³

RIVIERE AUX MARAIS NEAR CHRISTIE - STATION NO. 05DC022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0188	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0188	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.2828	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.532	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.878	0	0	0	0	0	0	---	---	5
6	---	---	0.0018	0.644	0	0	0	0	0	0	---	---	6
7	---	---	0.0038	0.678	0	0A	0	0	0	0	---	---	7
8	---	---	0.0028	0.383	0	0	0	0	0	0	---	---	8
9	---	---	0.0018	0.127	0	0	0	0	0	0	---	---	9
10	---	---	0.0018	0.056	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.027	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.012	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.004	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.0018	0	0	0	0	0	0	0	---	---	28
29	---	---	0.0018	0	0	0	0	0	0	0	---	---	29
30	---		0.0018	0	0	0	0	0	0	0	---	---	30
31	---		0.0028		0		0	0		0		---	31
TOTAL	---	---	0.014	3.801	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.130	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.003	0.878	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.878 ON APR 5
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.873 AT 18:11 CST ON APR 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 30 N
LONG 97 16 50 W
DRAINAGE AREA, 201 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1.21	SEP	0
APR	337	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 338 dam³

ROARING RIVER NEAR MINITONAS - STATION NO. 05LE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3378	1.088	58.8 A	5.38	1.17	0.320	0.282	0.247	---	---	1
2	---	---	0.3418	5.318	117 A	5.04	1.11	0.223	0.249	0.232	---	---	2
3	---	---	0.3868	17.5 B	188	4.98	1.06	0.238	0.226	0.232	---	---	3
4	---	---	0.4368	36.2 B	112	4.36	1.08	0.238	0.188	0.188	---	---	4
5	---	---	0.4618	58.6 B	67.8	3.81	1.16	0.241	0.171	0.183	---	---	5
6	---	---	0.4708	58.3 A	46.6	3.58	1.00	0.231	0.182	0.180	---	---	6
7	---	---	0.4318	28.0 A	34.0	3.24	0.958	0.280	0.134	0.180	---	---	7
8	---	---	0.3648	25.2	30.6	2.90	0.868	0.238	0.105	0.189	---	---	8
9	---	---	0.3138	14.5	28.6	2.84	0.770	0.223	0.082	0.214	---	---	9
10	---	---	0.3288	11.9	28.7	2.43	0.743	0.211	0.068	0.217	---	---	10
11	---	---	0.3668	16.8	22.2	2.32	0.883	0.197	0.085	0.205	---	---	11
12	---	---	0.3258	48.7	18.1	2.81	0.813	0.194	0.073	0.187	---	---	12
13	---	---	0.2638	62.4	16.8	3.31	0.853	0.180	0.088	0.188	---	---	13
14	---	---	0.2708	30.7	14.7	2.84	0.878	0.188	0.084	0.203	---	---	14
15	---	---	0.2888	23.4	13.4	2.88	0.884	0.174	0.083	0.187	---	---	15
16	---	---	0.2838	21.8	12.7	2.84	0.888	0.177	0.042	0.272	---	---	16
17	---	---	0.2268	24.5	11.6	2.88	0.880	0.188	0.040	0.284	---	---	17
18	---	---	0.2218	18.6	10.6	2.88	0.833	0.183	0.038	0.268	---	---	18
19	---	---	0.2628	15.8	10.2	2.47	0.462	0.221	0.037	0.230	---	---	19
20	---	---	0.2888	13.3	9.74	2.18	0.426	0.341	0.038	0.247	---	---	20
21	---	---	0.2878	11.2	9.33	1.98	0.425	0.386	0.040	0.288	---	---	21
22	---	---	0.3238	9.81	8.78	1.71	0.410	0.334	0.052	0.280	---	---	22
23	---	---	0.3638	8.44	8.32	1.81	0.388	0.347	0.057	0.262	---	---	23
24	---	---	0.6888	7.77	7.83	1.83	0.366	0.362	0.082	0.2738	---	---	24
25	---	---	0.6878	8.42	7.28	1.80	0.381	0.869	0.115	0.264	---	---	25
26	---	---	3.47 B	8.44	8.82	1.43	0.318	0.628	0.140	0.288	---	---	26
27	---	---	3.31 B	9.81	8.61	1.38	0.296	0.415	0.188	0.2508	---	---	27
28	---	---	3.18 B	18.1	8.78	1.32	0.274	0.388	0.188	0.248	---	---	28
29	---	---	3.01 B	30.0	8.63	1.24	0.286	0.334	0.265	0.2588	---	---	29
30	---		2.81 B	41.0	8.38	1.20	0.242	0.315	0.256	0.2688	---	---	30
31	---		2.14 B		8.83		0.238	0.296		0.2818		---	31
TOTAL	---	---	35.344	884.88	912.83	80.27	18.101	8.585	3.552	7.279	---	---	TOTAL
MEAN	---	---	0.818	22.8	29.4	2.88	0.818	0.278	0.118	0.235	---	---	MEAN
MAX	---	---	3.31	88.8	188	5.38	1.17	0.869	0.285	0.282	---	---	MAX
MIN	---	---	0.221	1.88	8.83	1.20	0.238	0.188	0.038	0.180	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.11
MAXIMUM DAILY, 188 ON MAY 3
MINIMUM DAILY, 0.038 ON SEP 18
MAXIMUM INSTANTANEOUS,
178 AT 03:38 CST ON MAY 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 08 10 N
LONG 101 03 10 W
DRAINAGE AREA, 536 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 850
FEB	---	AUG	740
MAR	3 180	SEP	307
APR	58 100	OCT	628
MAY	76 900	NOV	---
JUN	6 840	DEC	---

TOTAL DISCHARGE, 150 000 dam³

ROCK LAKE NEAR GLENORA - STATION NO. 05OB007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	405.224E	405.260	405.271	405.287	405.161	404.880	404.833	404.781	404.723	404.735	1
2	---	---	405.224E	405.264	405.267	405.300	405.136	404.863	404.832	404.777	404.724	404.734	2
3	---	---	405.224E	405.269	405.261	405.285	405.124	404.850	404.831	404.777	404.727	404.734	3
4	---	---	405.226E	405.261	405.257	405.268	405.120	404.851	404.813	404.784	404.728	404.733	4
5	---	---	405.228E	405.256	405.264	405.260	405.133	404.878	404.808	404.782	404.730	404.734	5
6	---	---	405.228E	405.272	405.271	405.273	405.134	404.867	404.787	404.788	404.728	404.735	6
7	---	---	405.228E	405.260	405.282	405.270	405.150	404.872	404.808	404.787	404.730	404.734	7
8	---	---	405.228A	405.268	405.311	405.268	405.133	404.854	404.835	404.788	404.733	404.731	8
9	---	---	405.228	405.268	405.316	405.241	405.131	404.848	404.806	404.782	404.732	404.731	9
10	---	---	405.231	405.281	405.316	405.226	405.118	404.844	404.781	404.788	404.727	404.726	10
11	---	---	405.235	405.282	405.317	405.237	405.085	404.838	404.788	404.785	404.722	404.728A	11
12	---	---	405.233	405.300	405.328	405.230	405.082	404.831	404.808	404.741	404.728	404.728E	12
13	---	---	405.229	405.298	405.319	405.223	405.082	404.834	404.789	404.780	404.729	404.741E	13
14	---	---	405.229	405.295	405.326	405.228	405.078	404.830	404.785	404.783	404.724	404.738A	14
15	---	---	405.230	405.293	405.328	405.230	405.088	404.827	404.785	404.783	404.728	404.737	15
16	---	---	405.231	405.298	405.318	405.220	405.084	404.812	404.788	404.747	404.731	404.743	16
17	---	---	405.231	405.294	405.295	405.220	405.078	404.814	404.783	404.747	404.731	404.741	17
18	---	---	405.232	405.290	405.312	405.227	405.088	404.809	404.788	404.744	404.728	404.744	18
19	---	---	405.232	405.287	405.314	405.230	405.088	404.804	404.814	404.741	404.728	404.744	19
20	---	---	405.232	405.288	405.308	405.212	405.085	404.898	404.793	404.742	404.730	404.741	20
21	---	---	405.235	405.288	405.307	405.214	405.081	404.890	404.790	404.738	404.730	404.738	21
22	---	---	405.236	405.286	405.307	405.205	405.036	404.907	404.818	404.735	404.730	404.744	22
23	---	---	405.239	405.278	405.301	405.187	405.043	404.902	404.795	404.735	404.730	404.748A	23
24	---	---	405.243	405.287	405.286	405.210	405.048	404.881	404.784	404.735	404.735	404.748E	24
25	---	---	405.250	405.288	405.286	405.183	405.022	404.870	404.778	404.712	404.735	404.748E	25
26	---	---	405.249	405.279	405.293	405.179	405.020	404.888	404.784	404.714	404.732	404.745E	26
27	---	---	405.250	405.281	405.293	405.188	405.015	404.858	404.774	404.720	404.733	404.745E	27
28	---	---	405.251	405.280	405.282	405.182	405.014	404.844	404.772	404.742	404.734	404.745E	28
29	---	---	405.245	405.271	405.285	405.129	405.010	404.842	404.782	404.728	404.733	404.745E	29
30	---	---	405.240	405.271	405.287	405.140	404.995	404.820	404.787	404.725	404.732	404.744E	30
31	---		405.228		405.293		404.993	404.829		404.727		404.744E	31
MEAN	---	---	405.234	405.281	405.301	405.235	405.075	404.818	404.788	404.747	404.730	404.739	MEAN
MAX	---	---	405.251	405.300	405.328	405.300	405.180	404.890	404.835	404.781	404.735	404.748	MAX
MIN	---	---	405.224	405.260	405.271	405.129	404.993	404.820	404.781	404.712	404.722	404.735	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 405.328 ON MAY 15
MINIMUM DAILY, 404.712 ON OCT 25
MAXIMUM INSTANTANEOUS,
405.347 AT 18:35 CST ON MAY 14

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 40 N
LONG 98 08 45 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3 630 km²

ROLLING RIVER NEAR ERICKSON - STATION NO. 05MF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2048	0.1198	0.1008	0.3118	1.63	0.717	0.041	0.041	0.038	0.121	0.2288	0.1088	1
2	0.1948	0.1208	0.1128	0.3738	1.54	0.743	0.038	0.032	0.034	0.118	0.2748	0.1078	2
3	0.1918	0.1188	0.1178	0.6648	2.86	0.890	0.038	0.028	0.028	0.092	0.2668	0.1058	3
4	0.1838	0.1188	0.1238	1.31 B	3.61	0.885	0.038	0.028	0.020	0.078	0.2468	0.1058	4
5	0.1838	0.1148	0.1358	2.36 B	5.12	0.738	0.041	0.022	0.018	0.072	0.2388	0.1088	5
6	0.1488	0.1108	0.1288	3.83 B	6.00	0.602	0.042	0.020	0.018	0.077	0.2288	0.1088	6
7	0.1418	0.1008	0.1338	7.47 B	6.82	0.536	0.041	0.018	0.013	0.075	0.2208	0.1058	7
8	0.1338	0.0908	0.1358	10.8 B	6.72	0.488	0.041	0.017	0.011	0.087	0.2158	0.1088	8
9	0.1288	0.0868	0.1378	8.71	6.71	0.401	0.048	0.018	0.008	0.188	0.2138	0.1048	9
10	0.1198	0.0818	0.1368	7.32	6.78	0.358	0.083	0.014	0.008	0.180	0.2078	0.0898	10
11	0.1158	0.0768	0.1448	6.88	6.80	0.318	0.078	0.013	0.008	0.170	0.2008	0.0888	11
12	0.1008	0.0778	0.1448	6.84	6.74	0.280	0.087	0.012	0.008	0.164	0.1838	0.0808	12
13	0.0788	0.0778	0.1488	6.62	6.64	0.244	0.104	0.011	0.010	0.178	0.1688	0.0818	13
14	0.0818	0.0788	0.1488	6.02	6.20	0.230	0.114	0.008	0.010	0.181	0.1808	0.0828	14
15	0.0888	0.0778	0.1478	5.62	4.48	0.208	0.127	0.008	0.010	0.181	0.1768	0.0818	15
16	0.0888	0.0788	0.1448	2.27	3.82	0.180	0.144	0.007	0.008	0.187	0.1678	0.0808	16
17	0.0888	0.0808	0.1418	3.08	3.40	0.178	0.163	0.008	0.008	0.180	0.1638	0.0798	17
18	0.0888	0.0838	0.1388	1.90	3.08	0.184	0.178	0.008	0.007	0.178	0.1698	0.0798	18
19	0.0928	0.0888	0.1378	1.74	2.73	0.148	0.181	0.008	0.007	0.178	0.1688	0.0798	19
20	0.0958	0.0928	0.1388	1.88	2.61	0.130	0.184	0.008	0.007	0.200	0.1618	0.0788	20
21	0.0988	0.0968	0.1388	1.81	2.28	0.112	0.121	0.007	0.007	0.288	0.1478	0.0778	21
22	0.1058	0.1018	0.1388	1.88	1.87	0.084	0.071	0.008	0.007	0.288	0.1438	0.0778	22
23	0.1088	0.1038	0.1528	1.87	1.41	0.077	0.088	0.028	0.008	0.251	0.1408	0.0788	23
24	0.1128	0.1038	0.1538	1.87	1.23	0.087	0.074	0.081	0.008	0.247	0.1378	0.0788	24
25	0.1088	0.1018	0.1548	1.81	1.14	0.088	0.072	0.078	0.008	0.243	0.1338	0.0788	25
26	0.1048	0.0988	0.1538	1.81	1.07	0.082	0.070	0.078	0.004	0.238	0.1298	0.0748	26
27	0.1058	0.1038	0.1578	1.84	0.987	0.081	0.088	0.088	0.011	0.238	0.1288	0.0748	27
28	0.1088	0.1048	0.1548	1.80	0.912	0.068	0.088	0.041	0.054	0.236	0.1208	0.0758	28
29	0.1108	0.1088	0.1588	1.86	0.885	0.068	0.087	0.031	0.082	0.2348	0.1178	0.0748	29
30	0.1128		0.2038	1.83	0.804	0.044	0.082	0.038	0.120	0.2308	0.1118	0.0748	30
31	0.1188		0.2038		0.747		0.084	0.038		0.2248		0.0748	31
TOTAL	3.099	2.778	4.843	88.488	108.135	8.180	2.878	0.788	0.583	5.840	5.370	2.878	TOTAL
MEAN	0.118	0.098	0.180	2.95	3.43	0.308	0.083	0.025	0.020	0.178	0.178	0.088	MEAN
MAX	0.204	0.120	0.203	10.8	6.80	0.885	0.181	0.078	0.120	0.288	0.274	0.108	MAX
MIN	0.078	0.078	0.109	0.211	0.747	0.044	0.038	0.008	0.004	0.072	0.111	0.074	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.838
MAXIMUM DAILY, 10.88 ON APR 8
MINIMUM DAILY, 0.004 ON SEP 26
MAXIMUM INSTANTANEOUS,
10.88 AT 08:18 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 12 N
LONG 98 58 27 W
DRAINAGE AREA, 780 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	320	JUL	223
FEB	240	AUG	67.8
MAR	401	SEP	51.2
APR	7 640	OCT	479
MAY	9 170	NOV	464
JUN	781	DEC	231

TOTAL DISCHARGE, 20 100 dam³

ROSEAU RIVER ABOVE DOMINION CITY DAM (P.R. 200) - STATION NO. 05OD002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	232.876	232.782	232.722E	232.881	232.858E	232.088E	231.898E	---	1
2	---	---	---	---	232.868E	232.808E	232.728E	232.867E	232.838E	232.082E	231.886	---	2
3	---	---	---	---	232.840	232.826	232.736	232.862	232.817	232.090	232.024E	---	3
4	---	---	---	---	232.837E	232.837E	232.718E	232.841E	232.586E	232.088E	232.180E	---	4
5	---	---	---	---	232.836E	232.848	232.700E	232.831	232.588	232.047	232.276	---	5
6	---	---	---	---	232.833E	232.837E	232.881	232.826E	232.582E	232.038E	232.428E	---	6
7	---	---	---	233.236	232.831	232.836	233.778E	232.826E	232.844	232.031E	232.861	---	7
8	---	---	---	233.337E	232.843	232.813E	233.676	232.821	232.531E	232.023	232.828E	---	8
9	---	---	---	233.443	232.836E	232.788E	232.626E	233.823E	232.518C	232.008E	232.878	---	9
10	---	---	---	233.513	232.829E	232.785	232.776E	232.825	232.804	231.982	232.720E	---	10
11	---	---	---	---	232.821	232.808E	232.734	232.818E	232.800E	231.977E	232.782E	---	11
12	---	---	---	---	232.868E	232.828E	232.879E	232.808E	232.486	231.982	232.803	---	12
13	---	---	---	233.582	232.876	232.849	233.035	232.787	232.482E	231.967E	232.808E	---	13
14	---	---	---	233.474	232.872E	232.841E	233.044E	232.811E	232.469	231.982E	232.809	---	14
15	---	---	---	---	232.867	232.823E	233.083E	232.826	232.468E	231.947	232.817E	---	15
16	---	---	---	---	232.872E	232.826	233.082	232.828E	232.447E	231.928E	232.826	---	16
17	---	---	---	233.449	232.877E	232.808E	233.018E	232.834	232.426	231.922	232.830E	---	17
18	---	---	---	---	232.862	232.786	232.974	232.832E	232.418E	231.918E	232.826E	---	18
19	---	---	---	---	232.864E	232.781	232.982E	232.830E	232.413	231.916	232.840	---	19
20	---	---	---	---	232.848	232.768E	232.988	232.826	232.408E	231.911E	232.843E	---	20
21	---	---	---	233.117	232.867E	232.750E	232.983E	232.814E	232.404	231.908E	232.848	---	21
22	---	---	---	233.017	232.867	232.746	232.937	232.800	232.368E	231.901	232.848E	---	22
23	---	---	---	233.003E	232.868E	232.768E	232.932E	232.800E	232.312E	231.888E	232.848	---	23
24	---	---	---	233.088	232.848E	232.787	232.927E	232.800	232.267	231.886	232.848E	---	24
25	---	---	---	233.087E	232.840E	232.763E	232.922	232.781E	232.228E	231.890E	232.848E	---	25
26	---	---	---	233.026	232.831	232.738	232.878E	232.762E	232.181	231.888	232.848	---	26
27	---	---	---	233.007E	233.828E	232.760E	232.831	232.742	232.167E	231.888E	---	---	27
28	---	---	---	233.088	232.826	232.741	232.811E	232.728E	232.123	231.892E	---	---	28
29	---	---	---	233.084E	232.826	232.728E	232.781	232.700	232.111E	231.886	---	---	29
30	---		---	233.080E	232.812E	232.716	232.746E	232.692	232.088	231.886E	---	---	30
31	---		---		232.787E		232.836E	232.676		231.886		---	31
MEAN	---	---	---	---	232.846	232.781	232.889	232.802	232.417	231.958	---	---	MEAN
MAX	---	---	---	---	232.882	232.848	233.082	232.881	232.858	232.088	---	---	MAX
MIN	---	---	---	---	232.787	232.716	232.881	232.676	232.088	231.886	---	---	MIN

WATER LEVELS IN METRES

MINIMUM DAILY, 231.886 ON OCT 26

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 08 43 N
LONG 97 09 48 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1967

DRAINAGE AREA,
5 880 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1988, PUBLISHED AS "ROSEAU RIVER NEAR DOMINION CITY"

ROSEAU RIVER AT GARDENTON - STATION NO. 05OD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.040E	0.328E	1.46	0.742	0.180	0.384	0.017	0.013	---	---	1
2	---	---	0.040E	0.613E	1.31	0.885	0.158	0.317	0.012	0.015	---	---	2
3	---	---	0.044E	0.716E	1.15	0.880	0.160	0.287	0.011	0.016	---	---	3
4	---	---	0.048E	1.17 E	1.06	0.883	0.153	0.255	0.008	0.014	---	---	4
5	---	---	0.048E	1.98 E	1.05	0.890	0.227	0.243	0.001	0.014	---	---	5
6	---	---	0.050E	4.07 E	1.06	0.781	0.206	0.218	0.001	0.013	---	---	6
7	---	---	0.051E	9.82 E	1.06	0.748	0.206	0.202	0.001	0.011	---	---	7
8	---	---	0.052E	17.1 E	1.17	0.704	0.183	0.177	0.004	0.022	---	---	8
9	---	---	0.054E	26.0	1.03	0.880	2.83	0.163	0.001	0.047	---	---	9
10	---	---	0.052E	27.5	1.01	0.812	5.74	0.138	0.001	0.083	---	---	10
11	---	---	0.140E	28.9	0.880	0.488	5.89	0.124	0.011	0.043	---	---	11
12	---	---	0.144E	28.1	1.05	0.432	5.41	0.111	0.016	0.036	---	---	12
13	---	---	0.115E	25.6	1.15	0.402	4.83	0.148	0.012	0.041	---	---	13
14	---	---	0.102E	24.3	1.20	0.384	3.75	0.178	0.005	0.055	---	---	14
15	---	---	0.084E	21.7	1.13	0.388	3.23	0.107	0.007	0.053	---	---	15
16	---	---	0.052E	18.3	1.04	0.374	2.98	0.103	0.017	0.084	---	---	16
17	---	---	0.116E	14.6	1.02	0.331	2.82	0.101	0.028	0.058	---	---	17
18	---	---	0.116E	11.7	0.968	0.328	2.88	0.088	0.020	0.058	---	---	18
19	---	---	0.113E	8.48	1.07	0.333	2.44	0.083	0.022	0.088	---	---	19
20	---	---	0.108E	5.88	1.03	0.283	2.17	0.082	0.016	0.087	---	---	20
21	---	---	0.100E	4.44	0.883	0.312	1.75	0.088	0.015	0.103	---	---	21
22	---	---	0.100E	3.53	0.881	0.337	1.38	0.083	0.013	0.107	---	---	22
23	---	---	0.146E	2.81	0.871	0.337	0.886	0.080	0.012	0.123	---	---	23
24	---	---	0.195E	2.50	0.785	0.345	0.788	0.083	0.010	0.118	---	---	24
25	---	---	0.252E	2.13	0.788	0.318	0.703	0.048	0.008	0.115	---	---	25
26	---	---	0.254E	1.88	0.788	0.313	0.588	0.042	0.004	0.108	---	---	26
27	---	---	0.220E	1.84	0.744	0.248	0.521	0.038	0.004	0.1228	---	---	27
28	---	---	0.261E	1.78	0.803	0.242	0.480	0.031	0.004	0.121E	---	---	28
29	---	---	0.277E	1.58	0.834	0.217	0.413	0.027	0.008	0.108E	---	---	29
30	---		0.286E	1.54	1.08	0.202	0.373	0.037	0.010	0.124E	---	---	30
31	---		0.258E		0.793		0.378	0.038		0.121E		---	31
TOTAL	---	---	3.995	298.033	31.429	16.286	64.186	3.887	0.282	2.041	---	---	TOTAL
MEAN	---	---	0.129	9.97	1.01	0.477	1.75	0.125	0.010	0.068	---	---	MEAN
MAX	---	---	0.286	28.0	1.45	0.888	5.89	0.384	0.028	0.124	---	---	MAX
MIN	---	---	0.040	0.328	0.744	0.202	0.153	0.027	0.001	0.011	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.87
MAXIMUM DAILY, 28.0 ON APR 9
MINIMUM DAILY, 0.001 ON SEP 5
MAXIMUM INSTANTANEOUS,
30.5 AT 11:30 CST ON APR 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 16 N
LONG 96 41 16 W
DRAINAGE AREA, 4 470 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4 880
FEB	---	AUG	344
MAR	345	SEP	25.2
APR	25 800	OCT	176
MAY	2 720	NOV	---
JUN	1 240	DEC	---

TOTAL DISCHARGE, 35 300 dam³

ROSEAU RIVER NEAR CARIBOU - STATION NO. 05OD030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1420	0.0340	0.0340	1.42 B	0.878	0.783	0.102	0.510	0.042	0.088	0.150	3.81	1
2	0.1270	0.0310	0.0440	1.84 B	0.821	0.878	0.088	0.453	0.045	0.078	0.161	4.19	2
3	0.1130	0.0310	0.0680	2.56 B	0.821	0.878	0.078	0.425	0.045	0.088	0.178	4.06	3
4	0.0980	0.0310	0.0780	4.26 B	0.783	0.783	0.074	0.398	0.042	0.078	0.178	3.67	4
5	0.0850	0.0280	0.0850	7.08 B	0.785	0.738	0.074	0.388	0.036	0.067	0.178	3.89	5
6	0.0780	0.0280	0.0910	17.0 B	0.785	0.706	0.128	0.311	0.028	0.057	0.187	1.30	6
7	0.0780	0.0270	0.0830	24.1 B	0.785	0.680	0.263	0.280	0.028	0.074	0.150	0.428	7
8	0.0740	0.0270	0.0880	27.8 B	0.785	0.651	0.736	0.244	0.024	0.078	0.187	0.212	8
9	0.0710	0.0260	0.0880	27.3	0.821	0.823	4.02	0.218	0.021	0.078	0.181	0.187	9
10	0.0680	0.0250	0.1020	26.5	0.785	0.681	5.81	0.184	0.018	0.078	0.153	0.144	10
11	0.0620	0.0240	0.1060	25.7	0.783	0.388	5.81	0.187	0.020	0.078	0.150	0.128	11
12	0.0590	0.0240	0.1130	24.9	0.849	0.388	4.93	0.181	0.023	0.071	0.138	0.116	12
13	0.0670	0.0240	0.1180	23.5	0.908	0.311	4.18	0.144	0.020	0.088	0.144	0.116	13
14	0.0670	0.0230	0.1180	21.0	0.878	0.283	3.45	0.181	0.018	0.078	0.138	0.116	14
15	0.0640	0.0230	0.1220	17.8	0.821	0.283	3.11	0.144	0.017	0.083	0.130	0.105	15
16	0.0640	0.0230	0.1270	14.2	0.821	0.289	2.88	0.125	0.018	0.113	0.138	0.081	16
17	0.0610	0.0230	0.1330	11.3	0.783	0.248	2.75	0.118	0.016	0.138	0.130	0.078	17
18	0.0610	0.0230	0.1420	8.48	0.728	0.241	2.88	0.088	0.013	0.130	0.128	0.088	18
19	0.0488	0.0230	0.1500	5.86	0.785	0.276	2.21	0.102	0.013	0.142	0.127	0.088	19
20	0.0488	0.0230	0.1690	3.78	0.785	0.311	2.04	0.110	0.011	0.144	0.1288	0.088	20
21	0.0488	0.0230	0.1700	2.75	0.738	0.311	1.76	0.091	0.012	0.144	0.1288	0.088	21
22	0.0488	0.0230	0.1840	2.15	0.708	0.311	1.47	0.085	0.015	0.130	0.1228	0.088	22
23	0.0488	0.0230	0.1980	1.81	0.680	0.276	1.27	0.081	0.018	0.138	0.1188	0.088	23
24	0.0488	0.0240	0.2270	1.58	0.651	0.248	1.13	0.091	0.023	0.144	0.1168	0.088	24
25	0.0428	0.0280	0.2588	1.38	0.851	0.241	0.981	0.078	0.028	0.138	0.1168	0.088	25
26	0.0408	0.0278	0.2638	1.38	0.823	0.180	0.678	0.088	0.028	0.130	0.1138	0.088	26
27	0.0408	0.0288	0.3408	1.26	0.851	0.161	0.783	0.085	0.037	0.127	0.1138	0.088	27
28	0.0378	0.0318	0.4258	1.10	0.823	0.138	0.708	0.088	0.082	0.144	0.1138	0.085	28
29	0.0378	0.0288	0.5088	1.08	0.783	0.126	0.880	0.081	0.102	0.133	0.1138	0.082	29
30	0.0348		0.8498	0.991	0.738	0.116	0.585	0.046	0.102	0.125	1.30	0.087	30
31	0.0348		1.13 B		0.880		0.588	0.042		0.133		0.084	31
TOTAL	1.832	0.782	5.708	311.881	23.618	12.322	55.720	5.488	0.836	3.301	5.338	21.881	TOTAL
MEAN	0.082	0.028	0.218	10.4	0.782	0.411	1.80	0.177	0.031	0.108	0.178	0.708	MEAN
MAX	0.142	0.034	1.13	27.8	0.908	0.878	5.81	0.510	0.102	0.144	1.30	4.19	MAX
MIN	0.034	0.023	0.034	0.991	0.823	0.118	0.074	0.042	0.011	0.067	0.113	0.084	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.23
MAXIMUM DAILY, 27.88 ON APR 8
MINIMUM DAILY, 0.011 ON SEP 30
MAXIMUM INSTANTANEOUS,
28.38 AT 15:00 CST ON APR 8

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 58 54 N
LONG 68 27 48 W
DRAINAGE AREA, 4 150 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	188	JUL	4 810
FEB	85.0	AUG	478
MAR	880	SEP	80.8
APR	28 800	OCT	285
MAY	2 040	NOV	481
JUN	1 080	DEC	1 900

TOTAL DISCHARGE, 38 800 dam³

ROSEAU RIVER NEAR DOMINION CITY - STATION NO. 05OD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1780	0.0450	0.0380	0.8040	1.82 E	1.10 E	0.138	0.832	0.047	0.118	0.1828	0.0878	1
2	0.1800	0.0360	0.0320	0.9300	1.80 E	1.05 E	0.113	0.837	0.058	0.144	0.1808	0.0808	2
3	0.1280	0.0350	0.0450	2.58 B	1.82 E	0.890E	0.108	0.834	0.048	0.155	0.1688	0.0888	3
4	0.1048	0.0348	0.0838	7.18 B	1.48 E	0.898	0.088	0.478	0.038	0.142	0.1688	0.3398	4
5	0.0838	0.0188	0.0738	7.38 B	1.37 E	1.01	0.048	0.411	0.038	0.128	0.1818	2.88 B	5
6	0.0828	0.0188	0.0878	8.88 B	1.32 E	0.930	0.184	0.348	0.013	0.100	0.1488	2.72 B	6
7	0.0788	0.0318	0.1018	8.81 B	1.38 E	0.810	0.280	0.307	0.038	0.078	0.1788	2.84 B	7
8	0.0748	0.0308	0.1308	10.4 B	1.38 E	0.718	0.218	0.331	0.030	0.080	0.1968	2.33 B	8
9	0.0718	0.0198	0.1188	22.1 B	1.32 E	0.884	0.137	0.312	0.002	0.081	0.1988	1.87 B	9
10	0.0888	0.0308	0.1008	26.8 B	1.38 E	0.885	0.188	0.177	0.008	0.084	0.1988	0.8588	10
11	0.0588	0.0218	0.0888	27.6 B	1.25 E	0.888	4.21	0.152	0.082	0.085	0.1888	0.8118	11
12	0.0878	0.0208	0.1088	24.8	1.20 E	0.858	4.80	0.118	0.081	0.084	0.1888	0.4608	12
13	0.0588	0.0218	0.1208	24.4	1.33 E	0.818	4.88	0.214	0.077	0.088	0.1488	0.3688	13
14	0.0518	0.0218	0.1308	23.7	1.33 E	0.438	4.12	0.312	0.088	0.110	0.1388	0.3288	14
15	0.0618	0.0228	0.1388	21.8	1.30 E	0.828	3.81	0.213	0.088	0.124	0.1828	0.3828	15
16	0.0538	0.0238	0.1878	19.1	1.30 E	0.831	3.11	0.207	0.084	0.128	0.1788	0.2388	16
17	0.0538	0.0228	0.2088	15.7	1.12 E	0.488	3.88	0.287	0.083	0.148	0.2038	0.2018	17
18	0.0518	0.0228	0.2658	12.8	1.08 E	0.434	3.85	0.183	0.082	0.181	0.2288	0.1888	18
19	0.0478	0.0228	0.2508	9.82	1.10 E	0.378	3.57	0.148	0.078	0.148	0.2038	0.1788	18
20	0.0478	0.0218	0.1918	7.12	1.11 A	0.324	2.48	0.118	0.088	0.147	0.1928	0.1888	20
21	0.0478	0.0188	0.1518	5.87	1.05 E	0.287	2.30	0.105	0.088	0.152	0.1878	0.1448	21
22	0.0488	0.0178	0.1388	4.78	1.00 E	0.248	1.83	0.130	0.078	0.153	0.1788	0.1298	22
23	0.0488	0.0168	0.1558	4.17	0.880E	0.214	1.87	0.088	0.043	0.188	0.1888	0.1188	23
24	0.0488	0.0148	0.2218	3.80 E	0.920E	0.208	1.45	0.078	0.023	0.153	0.1388	0.1058	24
25	0.0488	0.0158	0.3388	3.30 E	0.880E	0.181	1.38	0.088	0.011	0.128	0.1808	0.0888	25
26	0.0488	0.0178	0.3628	2.80 E	0.870E	0.187	1.13	0.103	0.017	0.184	0.1448	0.0888	26
27	0.0448	0.0218	0.3158	2.80 E	0.880E	0.208	0.981	0.078	0.048	0.1848	0.1418	0.0828	27
28	0.0388	0.0388	0.2748	3.40 E	0.880E	0.238	0.848	0.077	0.103	0.1888	0.1178	0.082R	28
29	0.0288	0.0628	0.3228	3.20 E	0.940E	0.218	0.748	0.082	0.123	0.1888	0.0928	0.0858	28
30	0.0338		0.4188	3.08 E	1.00 E	0.188	0.848	0.084	0.114	0.1888	0.0678	0.0858	30
31	0.0388		0.7718		1.02 E		0.874	0.038		0.1898		0.0828	31
TOTAL	1.880	0.881	5.821	320.884	35.880	18.817	48.833	8.703	1.847	4.118	4.832	17.884	TOTAL
MEAN	0.084	0.023	0.181	10.7	1.18	0.827	1.81	0.218	0.088	0.133	0.184	0.878	MEAN
MAX	0.178	0.082	0.771	27.8	1.82	1.10	4.88	0.837	0.183	0.188	0.238	2.84	MAX
MIN	0.028	0.014	0.032	0.804	0.880	0.148	0.048	0.038	0.002	0.078	0.087	0.052	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.28
MAXIMUM DAILY, 27.88 ON APR 11
MINIMUM DAILY, 0.002 ON SEP 8
MAXIMUM INSTANTANEOUS,
32.2 AT 02:30 CST ON APR 11

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 11 53 N
LONG 67 03 16 W
DRAINAGE AREA, 5 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	172	JUL	4 310
FEB	88.8	AUG	879
MAR	813	SEP	142
APR	27 700	OCT	368
MAY	3 180	NOV	428
JUN	1 370	DEC	1 880

TOTAL DISCHARGE, 40 300 dam³

ROSEISLE CREEK NEAR ROSEISLE - STATION NO. 05OF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.071B	0.338B	0.088	0.034	0	0	0	0	---	---	1
2	---	---	0.088B	3.71 B	0.077	0.051	0	0	0	0	---	---	2
3	---	---	0.132B	4.18 B	0.088	0.034	0	0	0	0	---	---	3
4	---	---	0.184B	2.86	0.095	0.021	0	0	0	0	---	---	4
5	---	---	0.200B	1.80	0.115	0.015	0.002	0	0	0	---	---	5
6	---	---	0.283B	1.32	0.117	0.011	0.004	0	0	0	---	---	6
7	---	---	0.321B	1.05	0.137	0.008	0.004	0	0	0	---	---	7
8	---	---	0.362B	0.824	0.462	0.008	0.001	0	0	0	---	---	8
9	---	---	0.418B	0.687	0.571	0.008	0	0	0	0	---	---	9
10	---	---	0.432B	0.577	0.342	0.007	0	0	0	0	---	---	10
11	---	---	0.363B	0.318	0.286	0.007	0	0	0	0	---	---	11
12	---	---	0.339B	0.284	0.226	0.007	0	0	0	0	---	---	12
13	---	---	0.384B	0.261	0.181	0.007	0	0	0	0	---	---	13
14	---	---	0.367B	0.220	0.170	0.007	0	0	0	0	---	---	14
15	---	---	0.363B	0.199	0.152	0.007	0.002	0	0	0	---	---	15
16	---	---	0.330B	0.178	0.137	0.007	0	0	0	0	---	---	16
17	---	---	0.180B	0.148	0.122	0.007	0	0	0	0	---	---	17
18	---	---	0.189B	0.133	0.118	0.007	0	0	0	0	---	---	18
19	---	---	0.142B	0.107	0.102	0.008	0	0	0	0	---	---	19
20	---	---	0.098B	0.088	0.084	0.008	0	0	0	0	---	---	20
21	---	---	0.088B	0.088	0.085	0.008	0	0	0	0	---	---	21
22	---	---	0.091B	0.084	0.081	0.008	0	0	0	0	---	---	22
23	---	---	0.139B	0.078	0.078	0.005	0	0	0	0	---	---	23
24	---	---	1.36 B	0.075	0.088	0.004	0	0	0	0	---	---	24
25	---	---	0.775B	0.072	0.089	0.004	0	0	0	0	---	---	25
26	---	---	0.523B	0.078	0.087	0.004	0	0	0	0	---	---	26
27	---	---	0.300B	0.088	0.081	0.002	0	0	0	0	---	---	27
28	---	---	0.307B	0.083	0.067	0.002	0	0	0	0	---	---	28
29	---	---	0.368B	0.080	0.063	0.004	0	0	0	0	---	---	29
30	---		0.319B	0.083	0.060	0.001	0	0	0	0	---	---	30
31	---		0.269B		0.032		0	0		0		---	31
TOTAL	---	---	9.638	18.610	4.301	0.303	0.013	0	0	0	---	---	TOTAL
MEAN	---	---	0.311	0.617	0.138	0.010	0	0	0	0	---	---	MEAN
MAX	---	---	1.36	4.18	0.571	0.051	0.004	0	0	0	---	---	MAX
MIN	---	---	0.071	0.060	0.032	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.134
MAXIMUM DAILY, 4.18B ON APR 3
MINIMUM DAILY, 0 ON JUL 1
MAXIMUM INSTANTANEOUS,
5.98B AT 05:53 CST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 10 N
LONG 98 13 40 W
DRAINAGE AREA, 223 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.12
FEB	---	AUG	0
MAR	832	SEP	0
APR	1 600	OCT	0
MAY	372	NOV	---
JUN	26.2	DEC	---

TOTAL DISCHARGE, 2 830 dam³

ROUND LAKE AT OUTLET - STATION NO. 05RD011

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.335E	---	---	0.352A	---	0.818A	1.187	1.068	0.782	0.641	0.488	0.414	1
2	0.330E	---	---	0.388A	---	0.808	1.188	1.071	0.747	0.638	0.484	0.415	2
3	0.324E	---	---	0.398A	---	0.811	1.171	1.057	0.736	0.632	0.485	0.417	3
4	0.323E	---	---	---	---	0.820	1.175	1.044	0.721	0.630	0.482	0.418	4
5	0.321E	---	---	---	---	0.828	1.180	1.027	0.709	0.608	0.444	0.415	5
6	0.318E	---	---	---	---	0.832	1.187	1.014	0.700	0.607	0.439	0.415	6
7	0.316E	---	---	---	---	0.828	1.208	0.995	0.681	0.600	0.438	0.414	7
8	0.316E	---	---	---	---	0.822	1.208	0.978	0.681	0.595	0.436	0.411A	8
9	0.318E	---	---	---	---	0.820	1.208	0.983	0.676	0.587	0.428	---	9
10	0.314E	---	---	---	---	0.823	1.208	0.981	0.681	0.580	0.427	---	10
11	0.313E	---	---	---	---	0.827	1.204	0.938	0.648	0.571	0.427	---	11
12	0.312E	---	---	---	---	0.836	1.210	0.928	0.652	0.580	0.427	---	12
13	0.312E	---	---	---	---	0.836	1.233	0.920	0.647	0.584	0.428	---	13
14	0.310E	---	---	---	---	0.837	1.244	0.910	0.638	0.548	0.428	---	14
15	0.308E	---	---	---	---	0.843	1.248	0.899	0.630	0.539	0.428	---	15
16	0.308E	---	0.302A	---	---	0.855	1.245	0.888	0.628	0.533	0.424	---	16
17	0.307E	---	0.295	---	---	0.864	1.244	0.888	0.627	0.527	0.424	---	17
18	0.306E	---	0.287	---	---	0.875	1.238	0.888	0.628	0.520	0.423	---	18
19	0.302E	---	0.295	---	---	0.889	1.244	0.880	0.618	0.514	0.418	---	19
20	0.298A	---	0.292	---	---	0.890	1.234	0.843	0.614	0.509	0.418	---	20
21	0.293	---	0.293	---	---	0.886	1.227	0.837	0.615	0.503	0.415	---	21
22	0.287	---	0.282	---	---	1.008	1.220	0.836	0.622	0.497	0.411	---	22
23	0.281A	---	0.291	---	---	1.020	1.210	0.833	0.641	0.494	0.411	---	23
24	---	---	0.299	---	---	1.043	1.198	0.827	0.648	0.490	0.412	---	24
25	---	---	0.328	---	---	1.057	1.184	0.808	0.648	0.489	0.412	---	25
26	---	---	0.331	---	---	1.062	1.172	0.793	0.648	0.485	0.411	---	26
27	---	---	0.335	---	---	1.101	1.159	0.790	0.654	0.483	0.411	---	27
28	---	---	0.348	---	---	1.124	1.145	0.788	0.650	0.473	0.411	---	28
29	---	---	0.346A	---	---	1.134	1.131	0.778	0.650	0.488	0.413	---	29
30	---		0.347A	---	---	1.145	1.118	0.788	0.647	0.487	0.414	---	30
31	---		0.352A		---		1.101	0.788		0.487		---	31
MEAN	---	---	---	---	---	0.983	1.188	0.900	0.681	0.542	0.427	---	MEAN
MAX	---	---	---	---	---	1.145	1.245	1.068	0.782	0.641	0.488	---	MAX
MIN	---	---	---	---	---	0.808	1.101	0.788	0.614	0.487	0.411	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.24S ON JUL 15

MAXIMUM INSTANTANEOUS,
1.25I AT 11:45 CST ON JUL 15

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 40 N
LONG 98 23 20 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

RUSSELL LAKE NEAR MERRIOT - STATION NO. 05EB008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	323.287	323.290	323.198	323.088	323.073	323.434	323.588	323.633	323.739	323.880	323.928	323.830	1
2	323.286	323.284	323.195	323.086	323.087	323.439	323.585	323.635	323.733	323.884	323.926	323.823	2
3	323.278	323.281	323.191	323.080	323.113	323.457	323.579	323.644	323.731	323.881	323.916	323.818	3
4	323.278	323.284	323.188	323.087	323.131	323.451	323.584	323.642	323.728	323.887	323.918	323.813	4
5	323.268	323.278	323.188	323.084	323.149	323.448	323.592	323.638	323.734	323.884	323.921	323.809	5
6	323.287	323.272	323.180	323.088	323.184	323.438	323.582	323.626	323.740	323.882	323.914	323.803	6
7	323.283	323.270	323.178	323.077	323.181	323.461	323.624	323.686	323.738	323.887	323.918	323.795	7
8	323.281	323.284	323.173	323.078	323.186	323.473	323.627	323.674	323.705	323.901	323.917	323.788	8
9	323.287	323.282	323.183	323.088	323.212	323.485	323.602	323.683	323.770	323.905	323.913	323.779	9
10	323.268	323.268	323.186	323.088	323.220	323.480	323.616	323.686	323.783	323.898	323.917	323.788	10
11	323.262	323.263	323.186	323.082	323.230	323.471	323.626	323.682	323.783	323.897	323.895	323.788	11
12	323.248	323.249	323.180	323.087	323.243	323.478	323.622	323.688	323.806	323.903	323.884	323.788	12
13	323.242	323.246	323.146	323.078	323.261	323.486	323.598	323.674	323.812	323.903	323.885	323.788	13
14	323.237	323.242	323.140	323.078	323.261	323.487	323.616	323.673	323.807	323.906	323.895	323.781	14
15	323.236	323.239	323.136	323.071	323.278	323.509	323.617	323.679	323.818	323.917	323.890	323.768	15
16	323.241	323.236	323.136	323.087	323.268	323.522	323.630	323.686	323.828	323.906	323.868	323.763	16
17	323.238	323.236	323.128	323.084	323.298	323.513	323.631	323.688	323.826	323.907	323.884	323.738	17
18	323.230	323.232	323.122	323.081	323.313	323.520	323.637	323.686	323.837	323.910	323.861	323.734	18
19	323.228	323.231	323.116	323.088	323.322	323.545	323.631	323.683	323.832	323.913	323.868	323.728	19
20	323.221	323.226	323.111	323.081	323.333	323.547	323.636	323.688	323.841	323.904	323.867	323.724	20
21	323.220	323.226	323.110	323.068	323.345	323.538	323.641	323.684	323.844	323.913	323.868	323.721	21
22	323.216	323.232	323.116	323.068	323.348	323.541	323.644	323.689	323.848	323.914	323.880	323.720	22
23	323.214	323.223	323.108	323.065	323.348	323.548	323.652	323.714	323.880	323.924	323.869	323.718	23
24	323.216	323.218	323.101	323.038	323.353	323.551	323.637	323.723	323.885	323.914	323.888	323.711	24
25	323.212	323.216	323.108	323.041	323.372	323.551	323.637	323.723	323.883	323.923	323.889	323.708	25
26	323.208	323.213	323.100	323.038	323.378	323.584	323.648	323.711	323.881	323.918	323.882	323.888	26
27	323.204	323.208	323.082	323.035	323.377	323.586	323.647	323.707	323.888	323.920	323.843	323.880	27
28	323.202	323.202	323.090	323.034	323.382	323.584	323.642	323.718	323.872	323.920	323.838	323.888	28
29	323.207	323.198	323.086	323.032	323.383	323.588	323.635	323.728	323.885	323.928	323.837	323.877	29
30	323.203		323.088	323.048	323.384	323.573	323.639	323.727	323.881	323.917	323.829	323.875	30
31	323.202		323.088		323.412		323.642	323.731		323.919		323.870	31
MEAN	323.337	323.244	323.137	323.085	323.273	323.507	323.621	323.678	323.810	323.907	323.885	323.747	MEAN
MAX	323.387	323.290	323.198	323.094	323.412	323.573	323.652	323.731	323.885	323.928	323.929	323.830	MAX
MIN	323.202	323.198	323.088	323.032	323.073	323.434	323.585	323.626	323.728	323.880	323.829	323.670	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 323.618
MAXIMUM DAILY, 323.928 ON NOV 1
MINIMUM DAILY, 323.032 ON APR 28
MAXIMUM INSTANTANEOUS,
323.942 AT 02:05 CST ON NOV 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 20 24 N
LONG 101 21 48 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

RUSSELL RESERVOIR NEAR RUSSELL - STATION NO. 05ME803

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	550.487A	550.282	550.115	550.018	549.930	549.877	---	1
2	---	---	---	---	550.910A	550.484E	550.285	550.114	550.010	549.938	549.887A	---	2
3	---	---	---	---	550.580E	550.480A	550.282	550.117	550.007	549.935	---	---	3
4	---	---	---	---	550.850A	550.487E	550.278	550.111	550.001	549.933	---	---	4
5	---	---	---	---	550.640E	550.483E	550.274	550.108	549.997	549.930	---	---	5
6	550.048A	---	---	550.840A	550.630A	550.480A	550.278	550.102	549.991	549.918	---	---	6
7	---	---	---	---	550.627E	550.430E	550.274	550.093	549.984	549.918	---	549.890A	7
8	---	---	550.029A	---	550.623E	550.410A	550.284	550.088	549.971	549.918	---	---	8
9	---	---	---	---	550.620A	550.404E	550.283	550.078	549.962	549.918	---	---	9
10	---	---	---	---	550.608E	550.398A	550.248	550.073	549.956	549.912	---	---	10
11	---	---	---	---	550.598A	550.400E	550.261	550.088	549.988	549.908	---	---	11
12	---	---	---	---	550.577E	550.401E	550.237	550.087	549.984	549.903	---	---	12
13	---	---	---	---	550.558E	550.403A	550.236	550.084	549.980	549.904	---	---	13
14	---	---	---	---	550.540A	550.401E	550.238	550.081	549.957	549.904	---	---	14
15	---	---	---	---	550.540E	550.398A	550.223	550.058	549.952	549.908	---	---	15
16	---	---	---	---	550.540A	550.394E	550.218	550.082	549.952	549.904	---	---	16
17	---	---	---	---	550.535K	550.390A	550.214	550.073	549.951	549.900	---	---	17
18	---	---	---	550.540A	550.530A	550.394E	550.208	550.068	549.948	549.897	---	---	18
19	---	---	---	550.515A	550.525E	550.398A	550.203	550.068	549.943	549.895	---	---	19
20	---	---	---	---	550.520A	550.380A	550.202	550.065	549.940	549.893	---	---	20
21	---	---	---	---	550.518E	550.342A	550.199	550.064	549.938	549.890	---	---	21
22	---	---	---	---	550.510E	550.335	550.191	550.058	549.935	549.885	---	---	22
23	---	---	---	---	550.514A	550.339	550.180	550.053	549.934	549.881	---	---	23
24	---	---	---	---	550.505E	550.338	550.173	550.047	549.931	549.880	---	---	24
25	---	---	---	---	550.498A	550.329	550.168	550.042	549.931	549.877	---	---	25
26	---	---	---	---	550.495E	550.321	550.163	550.040	549.931	549.878	---	---	26
27	---	---	---	---	550.484A	550.313	550.157	550.037	549.931	549.877	---	---	27
28	---	---	---	---	550.480E	550.309	550.148	550.032	549.938	549.877	---	---	28
29	---	---	---	---	550.488E	550.301	550.143	550.029	549.939	549.877	---	---	29
30	---		---	---	550.482A	550.298	550.134	550.028	549.937	549.877	---	---	30
31	---		---		550.475E		550.125	550.024		549.877		---	31
MEAN	---	---	---	---	---	550.388	550.217	550.068	549.959	549.900	---	---	MEAN
MAX	---	---	---	---	---	550.487	550.282	550.117	550.018	549.938	---	---	MAX
MIN	---	---	---	---	---	550.298	550.125	550.024	549.931	549.877	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 50 N
LONG 101 19 55 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1984

DRAINAGE AREA,
98.1 km^2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - AN AUTOMATIC RECORDER INSTALLED JUNE 21, 1988

SASKATCHEWAN RIVER AT GRAND RAPIDS - STATION NO. 05KL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	153	957	248	189	182	187	138	848	185	170	373	179	1
2	178	1 080	228	182	184	178	148	878	182	198	284	181	2
3	148	1 180	207	148	174	180	151	733	188	185	200	178	3
4	888	882	204	184	188	147	182	477	188	172	208	183	4
5	1 320	1 080	188	183	187	184	287	188	182	185	198	180	5
6	1 230	1 120	178	182	188	478	283	188	182	180	174	188	6
7	1 080	881	188	184	174	810	182	188	181	178	188	188	7
8	1 200	1 020	188	237	188	144	188	147	172	172	208	188	8
9	1 230	1 000	178	181	83.0	187	183	188	182	183	194	188	9
10	1 188	1 188	181	178	113	181	188	188	188	178	213	188	10
11	1 148	1 248	172	178	124	183	188	288	188	178	188	174	11
12	1 148	1 128	188	178	318	181	148	183	188	188	187	173	12
13	1 088	1 128	182	174	288	174	177	148	188	178	173	188	13
14	1 138	888	278	187	284	174	148	138	178	178	228	283	14
15	1 188	1 088	248	223	278	184	188	483	188	177	288	218	15
16	883	882	182	284	483	148	148	327	188	188	218	178	18
17	832	817	181	284	388	187	131	288	228	287	178	188	17
18	1 148	288	218	283	382	184	142	288	187	214	178	178	18
19	888	183	223	188	383	188	148	148	221	284	183	281	19
20	248	248	288	148	338	388	188	188	287	243	188	378	20
21	288	222	334	183	288	288	188	188	217	174	188	288	21
22	884	388	218	188	181	188	188	173	218	187	173	213	22
23	833	341	178	188	182	188	188	182	212	178	188	188	23
24	888	288	188	188	188	188	138	183	284	285	178	177	24
25	881	218	188	172	278	147	148	282	184	787	188	213	25
26	1 848	187	178	188	285	171	187	288	483	1 888	178	188	28
27	1 888	188	174	178	187	188	183	178	714	818	174	188	27
28	832	234	241	188	188	174	188	182	728	878	178	224	28
29	781	218	238	183	181	148	188	288	188	838	173	188	28
30	788		188	182	184	138	181	188	184	887	188	222	38
31	888		283		423		218	218		848		188	31
TOTAL	38 823	28 477	8 388	5 478	8 822.0	5 878	5 282	7 838	8 885	18 818	5 881	5 882	TOTAL
MEAN	858	788	285	183	228	188	188	288	232	338	187	183	MEAN
MAX	1 238	1 248	334	283	483	818	387	732	728	1 888	373	378	MAX
MIN	148	183	181	148	83.8	138	131	138	188	188	188	188	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 312
MAXIMUM DAILY, 1 248 ON FEB 11
MINIMUM DAILY, 83.0 ON MAY 8

DATA CONTRIBUTED BY -
MANITOBA HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 53 08 80 N
LONG 88 28 88 W
DRAINAGE AREA, 384 888 km²

REGULATED SINCE 1984

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 288 888	JUL	484 888
FEB	1 778 888	AUG	588 888
MAR	888 888	SEP	882 888
APR	473 888	OCT	888 888
MAY	588 888	NOV	818 888
JUN	888 888	DEC	817 888

TOTAL DISCHARGE, 8 888 888 dam³

SASKATCHEWAN RIVER AT THE PAS - STATION NO. 05KJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2328	2838	3288	2818	8728	388	238	282	318	282	2228	1388	1
2	2338	2848	3088	2888	888	312	217	272	328	288	2288	1318	2
3	2338	2848	2978	2818	811	328	212	272	348	278	2188	1288	3
4	2328	3088	3888	3138	787	338	227	252	378	288	2188	1478	4
5	2348	3218	2788	3188	784	348	248	234	378	288	2138	1628	5
6	2388	3278	2748	3088	718	351	277	228	388	248	2188	1548	6
7	2418	3388	2788	2818	871	373	278	288	328	287	2078	1588	7
8	2388	3428	2788	2728	851	441	228	278	277	288	2048	1588	8
9	2388	3378	2688	2628	838	424	388	228	283	287	2018	1588	9
10	2378	3248	2488	2488	828	388	383	213	234	283	1988	1578	18
11	2338	3178	2388	2788	813	317	283	232	381	287	1938	1638	11
12	2248	3188	2248	2228	884	284	281	282	282	278	1888	1748	12
13	2248	3248	2188	3588	812	234	248	384	283	288	1858	1878	13
14	2488	3618	2088	3888	811	232	388	284	244	288	1888	2888	14
15	2848	3588	1948	4288	823	351	288	288	288	281	1788	2828	15
16	2788	3828	1838	4788	588	282	288	248	288	288	1728	1828	16
17	2648	3878	1788	5188	531	234	321	288	288	274	1888	1888	17
18	2488	3738	1778	5648	518	248	348	287	381	288	1848	1888	18
19	2328	3648	1728	5788	538	227	357	247	288	288	1888	2078	19
20	2478	3828	1678	5888	528	177	358	248	284	381	1588	2388	28
21	2738	3788	1888	6248	584	283	388	287	278	288	1538	2378	21
22	2838	3618	1888	6748	584	227	381	274	384	347	1588	2248	22
23	3848	3488	1848	7248	488	258	482	224	382	288	1488	2228	23
24	3838	3188	1888	7888	487	271	388	228	388	284	1438	2238	24
25	3888	2888	1778	8388	441	228	483	285	387	238	1488	2188	25
26	3848	2878	1728	8888	481	227	371	387	388	238	1388	2118	28
27	3718	3288	1728	8518	384	248	353	318	382	238	1278	2048	27
28	3648	3388	1888	1 8588	417	288	342	382	288	238	1388	1958	28
29	3588	3378	1988	1 8388	418	387	318	287	281	2338	1338	1858	29
38	3828		2188	1 8888	485	278	383	381	288	2278	1328	1778	38
31	3878		2488		424		328	313		2258		1738	31
TOTAL	7 873	8 887	8 821	15 883	18 183	8 838	8 444	8 238	8 747	8 318	5 288	5 878	TOTAL
MEAN	254	331	328	528	587	288	385	285	282	288	178	183	MEAN
MAX	384	384	328	1 888	872	441	483	318	378	347	222	227	MAX
MIN	224	283	184	248	384	177	288	213	283	228	132	138	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 388
MAXIMUM DAILY, 1 8588 ON APR 28
MINIMUM DAILY, 1388 ON DEC 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 58 38 N
LONG 181 11 18 W
DRAINAGE AREA, 347 888 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	888 888	JUL	818 888
FEB	828 888	AUG	711 888
MAR	888 888	SEP	788 888
APR	1 378 888	OCT	718 888
MAY	1 878 888	NOV	484 888
JUN	748 888	DEC	488 888

TOTAL DISCHARGE, 8 738 888 dam³

SCHIST LAKE NEAR CHANNING - STATION NO. 05KE004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	281.644	281.651	281.653	281.789	281.770	281.710	---	---	1
2	---	---	---	---	281.649	281.650	281.648	281.788	281.768	281.708	---	---	2
3	---	---	---	---	281.651	281.651	281.643	281.784	281.780	281.708	---	---	3
4	---	---	---	---	281.652	281.653	281.648	281.787	281.788	281.708	---	---	4
5	---	---	---	---	281.652	281.654	281.648	281.788	281.788	281.707	---	---	5
6	---	---	---	---	281.651	281.653	281.649	281.778	281.788	281.708	---	---	6
7	---	---	---	---	281.650	281.654	281.654	281.772	281.782	281.704	---	---	7
8	---	---	---	---	281.650	281.657	281.647	281.777	281.784	281.708	---	---	8
9	---	---	---	---	281.647	281.657	281.634	281.774	281.783	281.694	---	---	9
10	---	---	---	---	281.647	281.652	281.634	281.771	281.780	281.694	---	---	10
11	---	---	---	---	281.645	281.650	281.634	281.773	281.748	281.695	---	---	11
12	---	---	---	---	281.640	281.648	281.633	281.774	281.761	281.686	---	---	12
13	---	---	---	---	281.643	281.638	281.648	281.772	281.740	281.681	---	---	13
14	---	---	281.785A	---	281.638	281.631	281.648	281.774	281.742	281.691	---	---	14
15	---	---	---	---	281.638	281.637	281.649	281.771	281.742	281.685	---	---	15
16	---	---	---	---	281.643	281.633	281.650	281.784	281.738	281.682	---	---	16
17	---	---	---	---	281.648	281.641	281.644	281.784	281.748	281.682	---	---	17
18	---	---	---	---	281.642	281.648	281.644	281.782	281.763	281.679	---	---	18
19	---	---	---	---	281.643	281.638	281.639	281.763	281.748	281.682	---	---	19
20	---	---	---	---	281.648	281.638	281.642	281.784	281.748	281.670	---	---	20
21	---	---	---	---	281.644	281.636	281.641	281.785	281.748	281.677	---	---	21
22	---	---	---	---	281.643	281.630	281.637	281.817	281.741	281.674	---	---	22
23	---	---	---	---	281.648	281.637	281.636	281.807	281.740	281.680	---	---	23
24	---	---	---	---	281.652	281.637	281.624	281.804	281.734	281.682	---	---	24
25	---	---	---	281.822A	281.643	281.638	281.632	281.788	281.728	281.641A	---	---	25
26	---	---	---	281.822	281.644	281.641	281.630	281.781	281.734	281.640E	---	---	26
27	---	---	---	281.823	281.648	281.644	281.618	281.780	281.734	281.638E	---	---	27
28	---	---	---	281.826	281.653	281.655	281.617	281.780	281.725	281.637E	---	---	28
29	---	---	---	281.832	281.643	281.656	281.606	281.781	281.726	281.636E	---	---	29
30	---		---	281.838	281.648	281.657	281.606	281.781	281.718	281.636E	---	---	30
31	---		---		281.650		281.603	281.777		281.632E		---	31
MEAN	---	---	---	---	281.648	281.648	281.638	281.782	281.744	281.678	---	---	MEAN
MAX	---	---	---	---	281.652	281.658	281.654	281.817	281.770	281.710	---	---	MAX
MIN	---	---	---	---	281.638	281.630	281.603	281.782	281.718	281.633	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

A - MANUAL GAUGE

E - ESTIMATED

MAXIMUM DAILY, 281.658 ON JUN 29

MAXIMUM INSTANTANEOUS,
281.857 AT 15:02 CST ON JUN 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 30 N
LONG 101 48 30 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1938 ADJ.)

SCISSOR CREEK NEAR MCAULEY - STATION NO. 05ME009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.000	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0.004	0.001	0	---	---	---	---	---	---	2
3	---	---	0 B	0.002	0.003	0	---	---	---	---	---	---	3
4	---	---	0 B	0.002	0.002	0	---	---	---	---	---	---	4
5	---	---	0 B	0	0.001	0	---	---	---	---	---	---	5
6	---	---	0 B	0	0.001	0	---	---	---	---	---	---	6
7	---	---	0 B	0	0.002	0	---	---	---	---	---	---	7
8	---	---	0 B	0	0.002	0	---	---	---	---	---	---	8
9	---	---	0 B	0	0.002	0	---	---	---	---	---	---	9
10	---	---	0 B	0	0.001	0	---	---	---	---	---	---	10
11	---	---	0.0015	0	0.001	0	---	---	---	---	---	---	11
12	---	---	0 B	0	0.001	0	---	---	---	---	---	---	12
13	---	---	0 B	0	0.001	0	---	---	---	---	---	---	13
14	---	---	0 B	0	0.001	0	---	---	---	---	---	---	14
15	---	---	0 B	0	0	0	---	---	---	---	---	---	15
16	---	---	0 B	0	0.001	0	---	---	---	---	---	---	16
17	---	---	0 B	0	0.001	0	---	---	---	---	---	---	17
18	---	---	0 B	0	0.001	0	---	---	---	---	---	---	18
19	---	---	0 B	0	0.001	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0.001	0	---	---	---	---	---	---	20
21	---	---	0.0015	0	0	0	---	---	---	---	---	---	21
22	---	---	0.0035	0	0	0	---	---	---	---	---	---	22
23	---	---	0.0035	0	0	0	---	---	---	---	---	---	23
24	---	---	0.0115	0	0	0	---	---	---	---	---	---	24
25	---	---	0.0035	0	0	0	---	---	---	---	---	---	25
26	---	---	0.0035	0	0	0	---	---	---	---	---	---	26
27	---	---	0.0015	0	0	0	---	---	---	---	---	---	27
28	---	---	0.0015	0	0	0	---	---	---	---	---	---	28
29	---	---	0.0015	0	0	0	---	---	---	---	---	---	29
30	---		0 B	0	0	0	---	---	---	---	---	---	30
31	---		0.001		0		---	---		---		---	31
TOTAL	---	---	0.027	0.017	0.034	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.001	0.001	0.001	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.011	0.008	0.003	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO JUN

MEAN, 0.001
MAXIMUM DAILY, 0.0115 ON MAR 24
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.031 AT 15:40 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 18 15 N
LONG 101 23 04 W
DRAINAGE AREA, 187 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2.33	SEP	---
APR	1.47	OCT	---
MAY	2.87	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 6.67 dam³

SEAL RIVER BELOW GREAT ISLAND - STATION NO. 05CD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1910	1600	1300	101 B	87.20	---	---	700	383	254	1630	1460	1
2	1900	1590	1290	100 B	87.80	---	---	694	377	253	1620	1430	2
3	1880	1570	1280	99.40	88.40	---	---	684	374	251	1610	1420	3
4	1860	1570	1270	98.80	89.00	---	---	667	363	248	1600	1410	4
5	1870	1580	1260	98.00	90.20	---	---	655	356	244	1780	1410	5
6	1870	1540	1250	97.40	91.40	---	---	636	345	243	1750	1400	6
7	1880	1530	1240	96.80	92.60	---	---	622	339	240	1740	1400	7
8	1850	1520	1240	96.80	93.80	---	---	606	330	237	1720	1400	8
9	1840	1520	1220	96.00	96.00	---	---	586	319	236	1710	1400	9
10	1830	1500	1220	94.40	98.80	---	---	570	310	230	1700	1390	10
11	1820	1480	1210	93.60	98.00	---	---	560	300	233	1690	1390	11
12	1810	1480	1180	93.10	100 B	---	---	550	300	229	1670	1380	12
13	1780	1470	1180	92.00	102 B	---	---	545	305	227	1650	1370	13
14	1780	1480	1160	90.80	105 B	---	1 060A	535	304	224	1630	1360	14
15	1770	1460	1170	90.20	106 B	---	1 070	522	303	222	1620	1360	15
16	1760	1440	1150	89.60	112 B	---	1 050	511	298	221	1610	1350	16
17	1760	1430	1150	88.40	117 B	1 610A	1 020	501	295	221	1600	1350	17
18	1750	1420	1140	87.80	119 B	---	988	494	294	220	1590	1350	18
19	1740	1410	1130	87.20	125 B	---	963	483	288	218	1580	1330	19
20	1740	1400	1110	86.60	131 B	---	935	470	284	211	1580	1330	20
21	1730	1390	1110	86.00	138 B	---	906	459	278	201	1550	1320	21
22	1710	1380	1100	85.40	148 B	---	883	450	275	2030	1540	1320	22
23	1700	1370	1090	85.40	160 B	---	859	442	270	2010	1520	1320	23
24	1680	1360	1080	85.40	170 B	---	847	437	268	1990	1510	1320	24
25	1670	1340	1070	85.40	181 B	---	828	434	268	1970	1510	1320	25
26	1670	1340	1060	85.40	215 B	---	802	424	262	1950	1500	1320	26
27	1660	1330	1060	86.00	246 B	---	788	421	260	1920	1500	1310	27
28	1640	1320	1040	86.00	284 B	---	772	412	255	1910	1490	1310	28
29	1630	1310	1030	86.00	346 B	---	754	403	252	1900	1480	1310	29
30	1620		1030	87.20	400 B	---	736	396	251	1880	1470	1300	30
31	1600		1020		415 B		725	390		1850		1300	31
TOTAL	5 474	4 210	3 587	2 734.9	4 780.8	---	---	16 295	9 118	6 606	4 693	4 212	TOTAL
MEAN	177	146	116	91.2	154	---	---	526	304	220	163	136	MEAN
MAX	191	160	130	101	415	---	---	709	383	254	183	146	MAX
MIN	160	131	102	85.4	87.2	---	---	390	251	185	147	130	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 53 30 N
LONG 98 16 31 W
DRAINAGE AREA, 48 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	473 000	JUL	---
FEB	364 000	AUG	1 410 000
MAR	310 000	SEP	788 000
APR	236 000	OCT	886 000
MAY	411 000	NOV	423 000
JUN	---	DEC	364 000

SEINE RIVER AT STE. ANNE - STATION NO. 05OH002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	248.190E	248.085	248.849E	248.823	248.717E	248.821E	---	---	1
2	---	248.711	---	---	248.185	248.085E	248.845E	248.834E	248.728	248.841E	---	---	2
3	---	---	---	---	248.188E	248.845	248.844E	248.845	248.718E	248.880	---	---	3
4	---	---	---	248.314	248.201	248.872E	248.842	248.888E	248.709E	248.859E	---	---	4
5	---	---	---	248.284E	248.304E	248.898E	248.888E	248.881	248.701E	248.857	---	---	5
6	---	---	---	248.263	248.308	249.025	248.881E	248.887E	248.882	248.858E	---	---	6
7	---	---	---	248.211E	248.212E	249.022E	248.815	248.903E	248.888	248.880	---	---	7
8	---	---	---	248.188	248.218E	249.019	248.842	248.909	248.702E	248.859E	248.887	---	8
9	---	---	---	248.154E	248.220	249.002E	248.805E	248.928E	248.705	248.859E	248.828	---	9
10	---	---	---	248.140E	248.230E	248.885	248.868E	248.842	248.711E	248.859E	248.823E	---	10
11	---	---	---	248.127E	248.241	248.868E	248.131	248.838E	248.717E	248.857	248.819	---	11
12	---	---	---	248.113	248.244E	248.850E	248.182E	248.833	248.723E	248.863E	---	---	12
13	---	---	---	248.085E	248.247	248.833	248.235	248.834E	248.728	248.888	---	---	13
14	---	---	---	248.078	248.245E	248.848E	248.224E	248.835E	248.728	248.884	---	---	14
15	---	---	---	248.073	248.243E	248.884	248.214	248.838	248.731E	248.830E	---	---	15
16	---	---	---	248.051E	248.241	248.888E	248.184E	248.888E	248.732	248.878E	---	---	16
17	---	---	---	248.028E	248.232E	248.828	248.114E	248.788	248.718E	248.822	---	---	17
18	---	---	---	248.006	248.226	248.833E	248.084	248.775E	248.708E	248.831E	---	---	18
19	---	---	---	248.003E	248.144E	248.838E	248.048E	248.763	248.892	248.840	---	---	19
20	---	---	---	248.000	248.081	248.843	248.034	248.748E	248.714E	248.848E	---	---	20
21	---	---	---	248.054E	248.081E	248.877E	248.938E	248.745E	248.735	248.858	---	---	21
22	---	---	---	248.107	248.081E	248.813	248.836	248.741	248.708E	248.888E	---	---	22
23	---	---	---	248.130E	248.081	248.804E	248.828E	248.735E	248.880	248.838E	---	---	23
24	---	---	---	248.154E	248.052E	248.887	248.822E	248.728	248.888E	248.876	---	---	24
25	---	---	---	248.177	248.043	248.890E	248.815E	248.734E	248.715E	248.838E	---	---	25
26	---	---	---	248.172E	248.028E	248.883E	248.808	248.738	248.733E	248.884	---	---	26
27	---	---	---	248.158	248.012	248.878E	248.784	248.735E	248.780	248.802E	---	---	27
28	---	---	---	248.174E	248.008E	248.888	248.784E	248.732E	248.788	248.888	---	---	28
29	---	---	---	248.180	248.000E	248.857	248.784	248.728	248.785E	---	---	---	29
30	---	---	---	248.184E	248.894	248.851	248.787E	248.715E	248.802	---	---	---	30
31	---		---		248.890E		248.810E	248.708		---		---	31
MEAN	---	---	---	---	248.148	248.058	248.851	248.822	248.732	---	---	---	MEAN
MAX	---	---	---	---	248.247	249.043	249.238	248.842	248.802	---	---	---	MAX
MIN	---	---	---	---	248.890	248.851	248.784	248.708	248.880	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 38 51 N
LONG 96 38 58 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1962

DRAINAGE AREA,
890 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SEINE RIVER DIVERSION NEAR ILE DES CHENES - STATION NO. 05OE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.80 B	0.051	0.023	0.001	0.023	0.001	0.024	---	---	1
2	---	---	0 B	5.80 B	0.044	0.018	0	0.018	0	0.020	---	---	2
3	---	---	0.0808	13.0 B	0.040	0.013	0	0.010	0	0.018	---	---	3
4	---	---	0.1008	11.0 B	0.037	0.008	0	0.007	0	0.016	---	---	4
5	---	---	0.1508	7.08 B	0.034	0.006	0	0.008	0	0.014	---	---	5
6	---	---	0.1888	4.86 B	0.033	0.003	0.002	0.008	0	0.013	---	---	6
7	---	---	0.0958	3.86 B	0.033	0	0.008	0.008	0	0.014	---	---	7
8	---	---	0.1138	2.34 E	0.034	0	0.008	0.005	0	0.103	---	---	8
9	---	---	0.1328	1.52	0.033	0	0.004	0.005	0	0.241	---	---	9
10	---	---	0.0708	1.26	0.032	0	0.003	0.005	0	0.235	---	---	10
11	---	---	0.1008	0.808	0.031	0	0.002	0.005	0	0.208	---	---	11
12	---	---	0.2508	0.518	0.030	0	0.001	0.004	0	0.186	---	---	12
13	---	---	0.4008	0.371	0.030	0	0.001	0.004	0	0.171	---	---	13
14	---	---	0.5148	0.306	0.030	0.001	0.001	0.003	0	0.156	---	---	14
15	---	---	0.4208	0.253	0.029	0.005	0.002	0.003	0	0.133	---	---	15
16	---	---	0.3308	0.215	0.028	0.009	0.004	0.002	0	0.122	---	---	16
17	---	---	0.2358	0.186	0.027	0.017	0.006	0.002	0	0.106	---	---	17
18	---	---	0.1408	0.132	0.039	0.026	0.081	0.002	0	0.100	---	---	18
19	---	---	0.2208	0.110	0.060	0.067	0.240	0.002	0	0.095	---	---	19
20	---	---	0.3008	0.087	0.063	0.076	0.231	0.004	0	0.092	---	---	20
21	---	---	0.3808	0.083	0.064	0.053	0.152	0.004	0	0.087	---	---	21
22	---	---	0.4608	0.081	0.045	0.030	0.101	0.002	0.004	0.087	---	---	22
23	---	---	0.5608	0.082	0.038	0.018	0.085	0.001	0.008	0.0818	---	---	23
24	---	---	0.6308	0.088	0.034	0.012	0.078	0	0.040	0.0878	---	---	24
25	---	---	0.6138	0.088	0.033	0.009	0.072	0	0.048	0.0898	---	---	25
26	---	---	0.3608	0.086	0.031	0.007	0.068	0	0.050	0.0838	---	---	26
27	---	---	0.1808	0.083	0.030	0.005	0.070	0	0.042	0.0788	---	---	27
28	---	---	0.2208	0.078	0.029	0.004	0.087	0	0.034	0.0888	---	---	28
29	---	---	0.2108	0.070	0.030	0.003	0.071	0	0.030	0.0848	---	---	29
30	---		0.2108	0.088	0.028	0.002	0.083	0	0.030	0.0878	---	---	30
31	---		0.2148		0.027		0.036	0		0.0838		---	31
TOTAL	---	---	7.602	61.272	1.127	0.428	1.485	0.126	0.287	2.907	---	---	TOTAL
MEAN	---	---	0.245	2.04	0.036	0.014	0.047	0.004	0.010	0.094	---	---	MEAN
MAX	---	---	0.550	13.0	0.064	0.076	0.240	0.023	0.050	0.241	---	---	MAX
MIN	---	---	0	0.059	0.027	0	0	0	0	0.013	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.307
MAXIMUM DAILY, 13.0B ON APR 3
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 96 59 19 W

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	126
FEB	---	AUG	10.8
MAR	657	SEP	24.8
APR	550	OCT	251
MAY	97.4	NOV	---
JUN	38.8	DEC	---

TOTAL DISCHARGE, 0 480 dam³

SEINE RIVER DIVERSION NEAR STE. ANNE - STATION NO. 05OH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0038	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0038	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.0888	0	0	0	0	0	0	---	---	3
4	---	---	0 B	1.26 B	0	0	0	0	0	0	---	---	4
5	---	---	0.0018	2.44 B	0	0	0	0	0	0	---	---	5
6	---	---	0.0018	1.38 B	0	0	0	0	0	0	---	---	6
7	---	---	0.0018	1.14 B	0	0	0	0	0	0	---	---	7
8	---	---	0.0018	0.7368	0	0	0	0	0	0	---	---	8
9	---	---	0.0018	0.8438	0	0	0	0	0	0	---	---	9
10	---	---	0.0018	0.0488	0	0	0	0	0	0	---	---	10
11	---	---	0.0018	0.004	0	0	0	0	0	0	---	---	11
12	---	---	0.0018	0.004	0	0	0	0	0	0	---	---	12
13	---	---	0.0018	0.004	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.003	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.003	0	0	0	0	0	0	---	---	15
16	---	---	0.0018	0.002	0	0	0	0	0	0	---	---	16
17	---	---	0.0018	0.002	0	0	0	0	0	0	---	---	17
18	---	---	0.0018	0.002	0	0	0	0	0	0	---	---	18
19	---	---	0.0018	0.002	0	0	0	0	0	0	---	---	19
20	---	---	0.0018	0.002	0	0	0	0	0	0	---	---	20
21	---	---	0.0018	0.002	0	0	0	0	0	0	---	---	21
22	---	---	0.0018	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0.0028	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0.0028	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0.0028	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0.0018	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0	0	0	0	0	0	0	---	---	29
30	---		0 B	0	0	0	0	0	0	0	---	---	30
31	---		0.0018		0		0	0		0		---	31
TOTAL	---	---	0.034	8.048	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.266	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.002	2.44	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.033
MAXIMUM DAILY, 2.44B ON APR 5
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 39 10 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2.07	SEP	0
APR	585	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 687 dam³

SEINE RIVER NEAR STE. ANNE - STATION NO. 05OH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2208	0.304	0.345	0.007	0.055	0.004	0	---	---	1
2	---	---	0 B	0.2808	0.388	0.329	0.008	0.033	0.003	0	---	---	2
3	---	---	0 B	0.3008	0.384	0.312	0.008	0.022	0.001	0	---	---	3
4	---	---	0 B	1.80 B	0.324	0.280	0.008	0.015	0	0	---	---	4
5	---	---	0 B	3.00 B	0.328	0.268	0.008	0.011	0	0	---	---	5
6	---	---	0 B	1.80 B	0.328	0.248	0.022	0.010	0	0	---	---	6
7	---	---	0 B	1.80 B	0.328	0.217	0.038	0.010	0	0	---	---	7
8	---	---	0 B	1.40 B	0.320	0.187	0.030	0.010	0	0	---	---	8
9	---	---	0 B	1.38 B	0.361	0.166	0.026	0.009	0	0	---	---	9
10	---	---	0 B	1.30 B	0.377	0.156	0.166	0.004	0	0	---	---	10
11	---	---	0 B	1.25 B	0.383	0.148	0.146	0.003	0	0	---	---	11
12	---	---	0 B	1.15 B	0.368	0.183	0.118	0.003	0	0.026E	---	---	12
13	---	---	0 B	1.08 B	0.384	0.117	0.128	0.002	0	0.024E	---	---	13
14	---	---	0 B	0.940B	0.368	0.112	0.135	0.002	0	0.023E	---	---	14
15	---	---	0 B	0.780B	0.368	0.139	0.224	0.002	0	0.022E	---	---	15
16	---	---	0 B	0.841	0.388	0.182	0.391	0.001	0	0.026E	---	---	16
17	---	---	0 B	0.526	0.403	0.204	0.277	0	0	0.023E	---	---	17
18	---	---	0 B	0.533	0.441	0.231	0.201	0	0.001	0.014E	---	---	18
19	---	---	0 B	0.484	0.578	0.188	0.167	0	0.001	0.013E	---	---	19
20	---	---	0 B	0.424	0.520	0.178	0.134	0	0.001	0.011E	---	---	20
21	---	---	0.008B	0.388	0.515	0.158	0.122	0.085	0.001	0.011E	---	---	21
22	---	---	0.014B	0.448	0.613	0.135	0.104	0.086	0	0.016E	---	---	22
23	---	---	0.104B	0.384	0.717	0.100	0.083	0.033	0	0.020E	---	---	23
24	---	---	0.072B	0.327	0.680	0.073	0.035	0.015	0.001	0.018E	---	---	24
25	---	---	0.027B	0.314	0.578	0.042	0.047	0.009	0	0.016E	---	---	25
26	---	---	0.008B	0.312	0.507	0.058	0.020	0.008	0 A	0.016E	---	---	26
27	---	---	0.014B	0.280	0.470	0.034	0.011	0.004	0	0.038E	---	---	27
28	---	---	0.088B	0.300	0.480	0.030	0.007	0.014	0	0.068E	---	---	28
29	---	---	0.078B	0.333	0.424	0.015	0.013	0.017	0	0.078E	---	---	29
30	---		0.188B	0.311	0.380	0.008	0.003	0.004	0	0.093E	---	---	30
31	---		0.180B		0.375		0.051	0.004		0.118E	---	---	31
TOTAL	---	---	0.735	33.868	13.872	4.821	3.782	0.478	0.013	0.857	---	---	TOTAL
MEAN	---	---	0.024	0.789	0.461	0.161	0.088	0.015	0	0.021	---	---	MEAN
MAX	---	---	0.180	3.00	0.812	0.345	0.391	0.086	0.004	0.118	---	---	MAX
MIN	---	---	0	0.220	0.304	0.008	0.003	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.181
MAXIMUM DAILY, 3.008 ON APR 5
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 37 00 W
DRAINAGE AREA, 899 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	238
FEB	---	AUG	41.3
MAR	83.5	SEP	1.12
APR	2 040	OCT	88.8
MAY	1 180	NOV	---
JUN	417	DEC	---

TOTAL DISCHARGE, 4 040 dam³

SEINE RIVER SOUTH OF PRAIRIE GROVE - STATION NO. 05OH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1328	0.388	0.348	0.038E	0.047	0	0	---	---	1
2	---	---	0 B	0.1518	0.384	0.282	0.037E	0.027	0	0	---	---	2
3	---	---	0 B	0.3518	0.352	0.284	0.038E	0.027	0	0	---	---	3
4	---	---	0 B	2.30 B	0.348	0.208	0.034E	0.021	0	0	---	---	4
5	---	---	0 B	3.55 B	0.448	0.173	0.032E	0.015	0	0	---	---	5
6	---	---	0 B	3.34 B	0.440	0.154	0.040E	0.011E	0	0	---	---	6
7	---	---	0 B	2.84 B	0.421	0.141	0.080E	0.007E	0	0	---	---	7
8	---	---	0 B	2.44 B	0.412	0.128	0.050E	0.003E	0	0	---	---	8
9	---	---	0 B	2.33 B	0.423	0.118	0.040E	0	0	0	---	---	9
10	---	---	0 B	2.23 B	0.402	0.084	0.100E	0	0	0.001E	---	---	10
11	---	---	0 B	2.12 B	0.426	0.071	0.080E	0	0	0.020	---	---	11
12	---	---	0 B	2.03 B	0.471	0.063	0.060E	0	0	0.028	---	---	12
13	---	---	0 B	1.67 B	0.481	0.072	0.038E	0	0	0.024	---	---	13
14	---	---	0 B	0.988B	0.484	0.070	0.010E	0	0	0.022	---	---	14
15	---	---	0 B	0.848B	0.437	0.103A	0.004E	0	0	0.022	---	---	15
16	---	---	0 B	0.810B	0.388	0.110E	0.084	0	0	0.028	---	---	16
17	---	---	0 B	0.686	0.388	0.178E	0.080	0	0	0.023	---	---	17
18	---	---	0 B	0.661	0.404	0.218E	0.078	0	0	0.014	---	---	18
19	---	---	0 B	0.650	0.458	0.1[illegible]	0.263	0	0	0.013	---	---	19
20	---	---	0 B	0.646	0.450	0.1[illegible]	0.338	0	0	0.011	---	---	20
21	---	---	0.131B	0.638	0.705	0.145E	0.267	0	0	0.011	---	---	21
22	---	---	0.434B	0.664	0.664	0.122E	0.388	0	0	0.018	---	---	22
23	---	---	0.360B	0.648	0.628	0.088E	0.204	0	0	0.030	---	---	23
24	---	---	0.258B	0.678	0.788	0.076E	0.103	0	0	0.018	---	---	24
25	---	---	0.218B	0.684	0.838	0.060E	0.073	0	0	0.018	---	---	25
26	---	---	0.300B	0.608	0.734	0.067E	0.044	0	0	0.018	---	---	26
27	---	---	0.358B	0.388	0.688	0.043E	0.024	0	0	0.0808	---	---	27
28	---	---	0.371B	0.382	0.584	0.043E	0.013	0	0	0.0808	---	---	28
29	---	---	0.317B	0.347	0.535	0.041E	0.021	0	0	0.120B	---	---	29
30	---		0.228B	0.331	0.445	0.038E	0.024	0	0	0.150B	---	---	30
31	---		0.144B		0.405		0.027	0		0.160B	---	---	31
TOTAL	---	---	3.113	38.308	15.337	3.840	2.678	0.158	0	0.686	---	---	TOTAL
MEAN	---	---	0.100	1.18	0.495	0.128	0.086	0.005	0	0.028	---	---	MEAN
MAX	---	---	0.434	3.55	0.838	0.348	0.388	0.047	0	0.150	---	---	MAX
MIN	---	---	0	0.122	0.348	0.038	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.250
MAXIMUM DAILY, 3.55B ON APR 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.23B AT 08:04 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 15 N
LONG 96 57 27 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1961

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	331
FEB	---	AUG	13.7
MAR	269	SEP	0
APR	3 050	OCT	77.6
MAY	1 330	NOV	---
JUN	332	DEC	---

TOTAL DISCHARGE, 5 300 dam³

SHANNON CREEK NEAR MORRIS - STATION NO. 05OF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.023B	0.350B	0.005	0	0	0	0	0	---	---	1
2	---	---	0.023B	0.500B	0.003	0	0	0	0	0	---	---	2
3	---	---	0.023B	1.10 B	0	0	0	0	0	0	---	---	3
4	---	---	0.030B	4.45 B	0	0	0	0	0	0	---	---	4
5	---	---	0.063B	2.37 B	0	0	0	0	0	0	---	---	5
6	---	---	0.085B	2.28 B	0	0	0	0	0	0	---	---	6
7	---	---	0.078B	1.51 B	0	0	0	0	0	0	---	---	7
8	---	---	0.080B	0.585	0	0	0	0	0	0	---	---	8
9	---	---	0.040B	0.525	0	0	0	0	0	0	---	---	9
10	---	---	0.030B	0.518B	0	0	0	0	0	0	---	---	10
11	---	---	0.110B	0.510B	0	0	0	0	0	0	---	---	11
12	---	---	0.200B	0.477B	0	0	0	0	0	0	---	---	12
13	---	---	0.088B	0.300	0	0	0	0	0	0	---	---	13
14	---	---	0.040B	0.240	0	0	0	0	0	0	---	---	14
15	---	---	0.028B	0.195A	0	0	0	0	0	0	---	---	15
16	---	---	0.025B	0.162	0	0	0	0	0	0	---	---	16
17	---	---	0.038B	0.134	0	0	0	0	0	0	---	---	17
18	---	---	0.062B	0.073B	0	0	0	0	0	0	---	---	18
19	---	---	0.411B	0.042B	0	0	0	0	0	0	---	---	19
20	---	---	0.480B	0.044B	0	0	0	0	0A	0	---	---	20
21	---	---	0.200B	0.048B	0	0	0	0	0A	0	---	---	21
22	---	---	0.204B	0.051B	0	0	0	0	0	0	---	---	22
23	---	---	0.300B	0.038B	0	0	0	0	0	0	---	---	23
24	---	---	0.372B	0.022	0	0	0	0	0	0	---	---	24
25	---	---	0.280B	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0.170B	0.007	0	0	0	0	0	0	---	---	26
27	---	---	0.090B	0.018	0	0	0	0	0	0	---	---	27
28	---	---	0.058B	0.021	0	0	0	0	0	0	---	---	28
29	---	---	0.050B	0.018	0	0	0	0	0	0	---	---	29
30	---		0.038B	0.008	0	0	0	0	0	0	---	---	30
31	---		0.074B		0		0	0		0		---	31
TOTAL	---	---	3.803	17.021	0.008	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.123	0.567	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.480	4.45	0.005	0	0	0	0	0	---	---	MAX
MIN	---	---	0.023	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.085
MAXIMUM DAILY, 4.450 ON APR 4
MINIMUM DAILY, 0 ON MAY 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 17 N
LONG 97 35 18 W
DRAINAGE AREA, 838 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	339	SEP	0
APR	1 470	OCT	0
MAY	0.89	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 800 dam³

SHANNON CREEK NEAR WINKLER - STATION NO. 05OF022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.433B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.585B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.630B	0	0	0	0	0	0	---	---	3
4	---	---	0.008B	0.630E	0	0	0	0	0	0	---	---	4
5	---	---	0.008B	0.480A	0	0	0	0	0	0	---	---	5
6	---	---	0.004B	0.31B	0	0	0	0	0	0	---	---	6
7	---	---	0.002B	0.21B	0	0A	0	0	0	0	---	---	7
8	---	---	0.002B	0.18A	0	0	0	0	0	0	---	---	8
9	---	---	0.003B	0.09B	0	0	0	0	0	0	---	---	9
10	---	---	0.012B	0.08B	0	0	0	0	0	0	---	---	10
11	---	---	0.136B	0.04B	0	0	0	0	0	0	---	---	11
12	---	---	0.048B	0.02B	0	0	0	0	0	0	---	---	12
13	---	---	0.024B	0.01B	0	0	0	0	0	0	---	---	13
14	---	---	0.012B	0.00B	0	0	0	0	0	0	---	---	14
15	---	---	0.018B	0.00A	0	0	0	0	0	0	---	---	15
16	---	---	0.010B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.007B	0	0A	0	0	0	0	0	---	---	17
18	---	---	0.012B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.078B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.105B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.088B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.068B	0	0A	0	0	0	0	0	---	---	22
23	---	---	0.144B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.324B	0	0A	0	0	0	0	0	---	---	24
25	---	---	0.118B	0	0A	0	0	0	0	0	---	---	25
26	---	---	0.044B	0	0A	0	0	0	0	0	---	---	26
27	---	---	0.031B	0	0A	0	0	0	0	0	---	---	27
28	---	---	0.027B	0	0A	0	0	0	0	0	---	---	28
29	---	---	0.054B	0	0	0	0	0	0	0	---	---	29
30	---		0.300B	0	0A	0	0	0	0	0	---	---	30
31	---		0.300B		0A		0	0		0		---	31
TOTAL	---	---	1.886	3.905	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.080	0.130	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.300	0.630	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.024
MAXIMUM DAILY, 0.630B ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 55 N
LONG 97 51 15 W
DRAINAGE AREA, 308 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	101	SEP	0
APR	337	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 438 dam³

SHARPE LAKE NEAR DELORAINE - STATION NO. 05MF005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	857.280E	857.253	857.238E	857.102E	856.881	856.828E	856.748E	---	---	1
2	---	---	---	857.280E	857.258E	857.233	857.102	856.861E	856.821	856.748	---	---	2
3	---	857.230	---	857.280	857.262	857.228E	857.092E	856.881	856.818E	856.741E	---	---	3
4	---	---	---	857.285E	857.263E	857.223	857.082	856.841E	856.811	856.738	---	---	4
5	---	---	---	857.290	857.262	857.213E	857.086	856.831	856.808E	856.728E	---	---	5
6	---	---	---	857.285E	857.267E	857.202	857.091E	856.828E	856.801	856.738	---	---	6
7	---	---	---	857.300	857.271	857.187	857.058E	856.821	856.808E	856.731E	---	---	7
8	---	---	---	857.300E	857.271E	857.182	857.051	856.818E	856.811E	856.725	---	---	8
9	---	---	---	857.300	857.270	857.172E	857.048E	856.811	856.818E	856.728E	---	---	9
10	---	---	---	857.285E	857.270E	857.182	857.041	856.808E	856.821E	856.728	---	---	10
11	---	---	---	857.280	857.270	857.182E	857.041E	856.801	856.828E	856.728E	---	---	11
12	---	---	---	857.280E	857.270E	857.142	857.041	856.811E	856.831	856.728	---	---	12
13	---	---	---	857.290	857.268	857.132E	857.048E	856.821	856.828E	856.721E	---	---	13
14	---	---	---	857.280E	857.268E	857.122	857.051	856.821E	856.821	856.718	---	---	14
15	---	---	---	857.280	857.268	857.132E	857.048E	856.821	856.818E	856.718E	---	---	15
16	---	---	---	857.285E	857.273E	857.142	857.041	856.821E	856.811	856.718	---	---	16
17	---	---	---	857.280	857.278	857.132E	857.041E	856.821	856.808E	856.718E	---	---	17
18	---	---	---	857.280E	857.278E	857.132	857.041	856.818E	856.801	856.718	---	---	18
19	---	857.241	---	857.280	857.277	857.127E	857.038E	856.811	856.801E	856.711E	---	---	19
20	---	---	---	857.270	857.277E	857.132	857.031	856.808E	856.801	856.708	---	---	20
21	---	---	---	857.285	857.277	857.127E	857.026E	856.801	856.783E	856.708E	---	---	21
22	---	---	---	857.285E	857.272E	857.122	857.021	856.808E	856.764E	856.705	---	---	22
23	---	---	---	857.285	857.285	857.127E	857.018E	856.891	856.778E	856.701E	---	---	23
24	---	---	---	857.285E	857.281E	857.122	857.011	856.881E	856.787E	856.695	---	---	24
25	---	---	---	857.295	857.286	857.127E	857.008E	856.871	856.758E	856.688E	---	---	25
26	---	---	---	857.280E	857.288E	857.122	857.001	856.881E	856.780	856.695	---	---	26
27	---	---	---	857.284	857.285	857.117E	856.998E	856.851	856.748E	856.688E	---	---	27
28	---	---	---	857.284E	857.280E	857.112	856.991	856.848E	856.748	856.695	---	---	28
29	---	---	---	857.283	857.244	857.107E	856.988E	856.841	856.748E	856.688E	---	---	29
30	---		---	857.283E	857.244E	857.102	856.981	856.838E	856.748	856.688E	---	---	30
31	---		---		857.244		856.988E	856.831		856.898E		---	31
MEAN	---	---	---	857.276	857.255	857.153	857.038	856.902	856.786	856.718	---	---	MEAN
MAX	---	---	---	857.300	857.278	857.238	857.102	856.981	856.831	856.748	---	---	MAX
MIN	---	---	---	857.283	857.244	857.102	856.988	856.831	856.748	856.688	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 857.300 ON APR 7

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 02 42 N
LONG 100 19 38 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1959

DRAINAGE AREA,
19.9 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SHELL RIVER NEAR INGLIS - STATION NO. 05MD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.9158	0.7988	1.03 B	0.8868	8.10	7.41	2.38	0.780	0.674	0.842	0.7408	0.8868	1
2	1.14 B	0.8128	0.9038	1.81 B	12.8	7.03	2.38	0.748	0.800	0.841	0.8288	0.7898	2
3	1.20 B	0.7878	0.8428	3.83 B	18.8	6.86	2.28	0.788	0.728	0.818	0.8488	0.7848	3
4	1.28 B	0.7168	0.4638	5.31 B	17.5	6.67	2.18	0.767	0.871	0.878	1.04 B	0.7988	4
5	0.8678	0.8468	0.5808	5.11 B	18.4 A	6.28	2.17	0.740	0.837	0.854	1.01 B	0.8978	5
6	0.8288	0.8368	0.9238	5.13 B	19.3 A	5.83	2.13	0.894	0.838	0.718	0.8988	0.8588	6
7	0.8428	0.8178	1.28 B	5.81 B	33.2 E	5.48	2.08	0.838	0.494	0.797	1.08 B	0.8618	7
8	0.8388	0.8048	1.42 B	7.83 B	53.3 E	4.91	2.21	0.808	0.368	0.812	1.02 B	0.8728	8
9	0.1678	0.8888	1.12 B	10.3 B	66.8 A	4.78	2.18	0.858	0.318	0.811	0.9778	0.8878	9
10	0.8028	0.8418	1.30 B	18.8 B	63.8 A	4.60	2.08	0.828	0.282	0.824	1.08 B	0.8188	10
11	0.8618	0.5108	0.8788	23.8 B	84.2 A	5.00	1.93	0.478	0.261	0.841	1.13 B	0.7338	11
12	0.8728	0.4408	0.8218	33.2 B	90.8 A	5.00	1.88	0.474	0.324	0.784	1.03 B	0.8618	12
13	0.8188	0.8858	0.8638	31.0 B	46.8 A	4.38	1.88	0.472	0.367	0.817	0.9288	0.8148	13
14	0.8388	0.8518	0.8098	31.2	41.8 A	4.08	1.80	0.514	0.310	0.850	0.8858	0.8148	14
15	0.8448	0.8898	0.9098	30.7	38.1 A	3.98	1.78	0.534	0.288	0.859	0.8638	0.8328	15
16	0.8548	0.8788	0.8288	31.3	35.1 A	3.87	1.84	0.488	0.288	0.815	0.8448	0.8288	16
17	0.8478	0.8268	0.8278	33.1	31.8 A	3.88	1.80	1.20	0.278	0.788	0.8728	0.8348	17
18	0.8488	1.01 B	0.8038	32.8	28.8 A	3.78	1.82	0.828	0.272	0.748A	0.8348	0.8288	18
19	0.8018	1.18 B	0.4538	32.4	28.8 E	3.70	1.83	0.872	0.288	0.717E	0.8918	0.8088	19
20	0.3438	1.04 B	0.2888	32.2	24.8 E	3.84	1.48	0.948	0.277	0.700E	0.4748	0.8918	20
21	0.3188	0.9048	0.8828	31.8	23.2 E	3.43	1.48	0.928	0.332	0.692E	0.4098	0.8828	21
22	0.8128	0.7858	0.8588	19.8	21.8 E	3.20	1.40	1.01	0.324	0.700E	0.4238	0.8628	22
23	0.7308	0.8408	0.7588	16.3	20.3 E	3.08	1.37	1.13	0.337	0.708E	0.4188	0.8748	23
24	0.7778	0.7708	0.8468	12.8	18.8 E	3.08	1.23	1.08	0.288	0.717E	0.3188	0.8748	24
25	0.2208	0.8188	0.8208	11.0	17.1 E	2.81	1.21	1.04	0.281	0.882B	0.3108	0.8748	25
26	0.4668	0.4828	0.8268	9.40	15.6 E	2.81	1.17	1.01	0.383	0.700B	0.3888	0.8748	26
27	0.8188	0.8278	0.3738	8.01	14.0 E	2.73	1.13	1.08	0.393	0.700B	0.4818	0.8748	27
28	0.8858	0.8078	1.00 B	8.30	13.8 E	2.84	1.07	1.08	0.801	0.952B	0.8258	0.8748	28
29	0.7628	0.8268	0.4638	7.88	11.1 E	2.87	1.01	1.13	0.810	1.08 B	0.5888	0.8888	29
30	0.8618		0.8548	7.90	9.88E	2.48	0.883	1.08	0.873	0.4288	0.8928	0.8958	30
31	0.8548		0.8538		8.08A		0.828	0.942		0.2268		0.8988	31
TOTAL	21.484	20.877	21.887	408.808	658.38	138.92	51.738	25.188	12.888	22.488	22.232	20.887	TOTAL
MEAN	0.882	0.720	0.708	13.8	27.7	4.33	1.87	0.811	0.428	0.724	0.741	0.873	MEAN
MAX	1.28	1.18	1.42	33.8	88.8	7.41	2.38	1.20	0.874	1.08	1.12	0.972	MAX
MIN	0.187	0.448	0.288	8.888	8.08	3.48	0.828	0.488	0.288	0.228	0.318	0.814	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.41
MAXIMUM DAILY, 88.8A ON MAY 8
MINIMUM DAILY, 0.1878 ON JAN 8
MAXIMUM INSTANTANEOUS,
87.4 AT 18:00 CST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 87 40 N
LONG 101 18 05 W
DRAINAGE AREA, 2 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 880	JUL	4 470
FEB	1 800	AUG	2 170
MAR	1 900	SEP	1 080
APR	35 200	OCT	1 940
MAY	74 200	NOV	1 920
JUN	11 200	DEC	1 800

TOTAL DISCHARGE, 140 000 dam³

SHELL RIVER NEAR ROBLIN - STATION NO. 05MD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.6488	10.0 B	11.1	8.81	1.72	---	---	---	---	---	1
2	---	---	0.6488	10.0 B	10.3	8.38	1.70	---	---	---	---	---	2
3	---	---	0.6548	10.0 B	20.1	8.05	1.68	---	---	---	---	---	3
4	---	---	0.5908	10.0 B	74.2	5.77	1.64	---	---	---	---	---	4
5	---	---	0.5809	11.3 B	78.5	5.48	1.80	---	---	---	---	---	5
6	---	---	0.5858	12.4 B	72.8	5.21	1.80	---	---	---	---	---	6
7	---	---	0.5858	13.7 B	66.1	4.89	1.68	---	---	---	---	---	7
8	---	---	0.5858	12.8 B	57.6	4.78	1.60	---	---	---	---	---	8
9	---	---	0.5858	13.7 B	51.0	4.62	1.62	---	---	---	---	---	9
10	---	---	0.5858	14.6 B	44.8	4.30	1.38	---	---	---	---	---	10
11	---	---	0.5908	15.4	40.4	4.22	1.35	---	---	---	---	---	11
12	---	---	0.5908	16.0	37.4	4.12	1.34	---	---	---	---	---	12
13	---	---	0.6008	20.6	34.5	4.06	1.32	---	---	---	---	---	13
14	---	---	0.5548	22.3	30.8	3.97	1.30	---	---	---	---	---	14
15	---	---	0.5548	21.2	27.7	3.84	1.29	---	---	---	---	---	15
16	---	---	0.5548	21.3	24.1	3.28	1.26	---	---	---	---	---	16
17	---	---	0.5488	21.4	20.7	3.17	1.29	---	---	---	---	---	17
18	---	---	0.5488	20.5	18.5	3.03	1.28	---	---	---	---	---	18
19	---	---	0.5488	18.6	18.5	2.84	1.23	---	---	---	---	---	19
20	---	---	0.5428	16.5	14.6	2.84	1.21	---	---	---	---	---	20
21	---	---	0.5428	12.3	13.4	2.47	1.18	---	---	---	---	---	21
22	---	---	0.5428	9.80	12.1	2.31	1.18	---	---	---	---	---	22
23	---	---	0.5488	8.60	11.0	2.18	1.13	---	---	---	---	---	23
24	---	---	0.5488	7.85	10.4	2.09	1.11	---	---	---	---	---	24
25	---	---	0.5488	8.63	9.70	2.02	1.10	---	---	---	---	---	25
26	---	---	0.5608	8.38	9.06	1.87	1.06	---	---	---	---	---	26
27	---	---	0.5608	8.15	8.70	1.82	1.05	---	---	---	---	---	27
28	---	---	0.5608	8.32	8.29	1.67	1.02 A	---	---	---	---	---	28
29	---	---	0.5708	7.31	7.87	1.80	0.902E	---	---	---	---	---	29
30	---		0.5748	8.04	7.36	1.78	0.848E	---	---	---	---	---	30
31	---		0.78 B		6.86		0.781E	---		---		---	31
TOTAL	---	---	23.486	388.04	857.75	109.89	40.051	---	---	---	---	---	TOTAL
MEAN	---	---	0.757	13.2	27.7	3.66	1.29	---	---	---	---	---	MEAN
MAX	---	---	0.78	22.3	78.5	8.81	1.72	---	---	---	---	---	MAX
MIN	---	---	0.542	8.15	6.86	1.78	0.781	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.4
MAXIMUM DAILY, 78.5 ON MAY 5
MINIMUM DAILY, 0.5428 ON MAR 20
MAXIMUM INSTANTANEOUS,
83.8 AT 09:55 CST ON MAY 4

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 39 N
LONG 101 15 21 W
DRAINAGE AREA, 1 330 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 480
FEB	---	AUG	---
MAR	2 030	SEP	---
APR	34 200	OCT	---
MAY	74 100	NOV	---
JUN	9 480	DEC	---

TOTAL DISCHARGE, 120 000 dam³

SNOAL LAKE AT INDIAN BAY - STATION NO. 05PD004

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	332.368	---	---	332.247	---	---	332.238	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	332.288	---	---	332.478	3
4	---	---	332.271	---	---	332.244	---	---	---	---	---	---	4
5	---	332.332	---	---	---	---	---	---	---	---	332.314	---	5
6	---	---	---	---	---	---	---	332.308	---	---	---	---	6
7	---	---	---	---	332.338	---	---	---	---	---	---	---	7
8	332.368	---	---	332.247	---	---	---	---	---	332.288	---	---	8
9	---	---	---	---	---	---	332.174	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	332.188	---	---	332.491	10
11	---	---	332.277	---	---	332.213	---	---	---	---	---	---	11
12	---	332.333	---	---	---	---	---	---	---	---	332.383	---	12
13	---	---	---	---	---	---	---	332.271	---	---	---	---	13
14	---	---	---	---	332.236	---	---	---	---	---	---	---	14
15	332.368	---	---	332.241	---	---	---	---	---	332.271	---	---	15
16	---	---	---	---	---	---	332.347	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	332.304	---	---	332.862	17
18	---	---	332.288	---	---	332.235	---	---	---	---	---	---	18
19	---	332.368	---	---	---	---	---	---	---	---	332.381	---	19
20	---	---	---	---	332.235	---	---	332.288	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	332.368	---	---	332.235	---	---	---	---	---	332.283	---	---	22
23	---	---	---	---	---	---	332.335	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	332.344	---	---	332.870	24
25	---	---	332.283	---	---	332.280	---	---	---	---	---	---	25
26	---	332.296	---	---	---	---	---	---	---	---	332.484	---	26
27	---	---	---	---	---	---	---	332.288	---	---	---	---	27
28	---	---	---	---	332.228	---	---	---	---	---	---	---	28
29	332.344	---	---	332.235	---	---	---	---	---	332.288	---	---	29
30	---		---	---	---	---	332.336	---	---	---	---	---	30
31	---		---		---	---	---	---	332.344	---	---	332.828	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 37 39 N
LONG 95 13 30 W
DATA CONTRIBUTED BY -
GREATER WINNIPEG WATER DISTRICT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SNDAL LAKE AT SNDAL LAKE - STATION NO. 05MS007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	847.030	847.072	846.897	846.788	846.744	846.681	---	---	1
2	---	---	---	---	847.030	847.068	846.887	846.785	846.732	846.680	---	---	2
3	---	---	---	---	847.057	847.065	846.885	846.770	846.726	846.689	---	---	3
4	---	---	---	---	847.084	847.068	846.885	846.767	846.730	846.702	---	---	4
5	---	---	---	---	847.088	847.067	846.894	846.733	846.735	846.686	---	---	5
6	---	---	---	---	847.088	847.062	846.886	846.782	846.742	846.683	---	---	6
7	---	---	---	847.000A	847.088	847.038	846.902	846.740	846.736	846.692	---	---	7
8	---	---	---	---	847.093	847.023	846.883	846.741	846.730	846.692	---	---	8
9	---	---	---	---	847.084	847.030	846.876	846.728	846.714	846.687	---	---	9
10	---	---	---	847.011A	847.080	847.018	846.871	846.727	846.706	846.687	---	---	10
11	---	---	846.983A	847.012A	847.088	847.021	846.872	846.727	846.710	846.686	---	---	11
12	---	---	---	847.013A	847.086	847.012	846.873	846.718	846.727	846.682	---	---	12
13	---	---	---	847.012A	847.101	846.986	846.873	846.717	846.718	846.686	---	---	13
14	---	---	---	847.008A	847.088	846.986	846.886	846.720	846.720	846.687	---	---	14
15	---	---	---	846.986A	847.084	846.976	846.881	846.718	846.720	846.689	---	---	15
16	---	---	---	846.983A	847.100	846.981	846.857	846.881	846.718	846.688	---	---	16
17	---	---	---	846.983A	847.118	846.972	846.846	846.728	846.711	846.686	---	---	17
18	---	---	---	846.983A	847.101	846.976	846.844	846.741	846.881	846.682	---	---	18
19	---	---	---	846.986A	847.108	846.983	846.836	846.742	846.883	846.686	---	---	19
20	---	---	---	847.003A	847.110	846.984	846.831	846.735	846.703	846.676	---	---	20
21	---	---	---	847.003A	847.110	846.962	846.832	846.728	846.708	846.676	---	---	21
22	---	---	---	847.003A	847.113	846.963	846.832	846.804	846.702	846.676	---	---	22
23	---	---	---	847.003A	847.108	846.961	846.814	846.782	846.888	846.683	---	---	23
24	---	---	---	846.983A	847.107	846.926	846.811	846.778	846.882	846.682	---	---	24
25	---	---	---	846.983A	847.088	846.928	846.808	846.770	846.883	846.886	---	---	25
26	---	---	---	846.987A	847.087	846.938	846.800	846.788	846.881	846.686E	---	---	26
27	---	---	---	846.986	847.085	846.815	846.800	846.781	846.888	846.683E	---	---	27
28	---	---	---	846.987	847.084	846.906	846.795	846.758	846.887	846.682E	---	---	28
29	---	---	---	847.001	847.082	846.901	846.788	846.758	846.708	846.686E	---	---	29
30	---		---	847.001	847.080	846.886	846.788	846.758	846.888	846.847E	---	---	30
31	---		---		847.088		846.773	846.744		846.846E		---	31
MEAN	---	---	---	---	847.086	846.986	846.849	846.750	846.713	846.679	---	---	MEAN
MAX	---	---	---	---	847.118	847.072	846.903	846.804	846.744	846.702	---	---	MAX
MIN	---	---	---	---	847.030	846.886	846.773	846.681	846.888	846.846	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 847.118 ON MAY 17

MAXIMUM INSTANTANEOUS,
847.148 AT 13:31 CST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 02 N
LONG 100 26 55 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1978 ADJ.)

SILVER CREEK NEAR GRANDVIEW - STATION NO. 05LJ040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 B	1.14	0.328	0.001	0	0	0	---	---	1
2	---	---	0 B	0 B	3.62	0.263	0	0	0	0.126	---	---	2
3	---	---	0 B	0.719	7.24	0.324	0	0	0	0.269	---	---	3
4	---	---	0 B	3.66	6.71	0.172	0	0	0	0.271	---	---	4
5	---	---	0 B	3.49	5.58	0.116	0	0	0	0.227	---	---	5
6	---	---	0 B	1.39	5.70	0.083	0	0	0	0.203	---	---	6
7	---	---	0 B	1.03	4.31	0.061	0	0	0	0.188	---	---	7
8	---	---	0 B	0.832	3.83	0.046	0	0	0	0.188	---	---	8
9	---	---	0 B	0.631	3.62	0.031	0	0	0	0.068	---	---	9
10	---	---	0 B	0.593	3.19	0.068	0	0	0	0.001	---	---	10
11	---	---	0 B	0.667	2.83	0.231	0	0	0	0	---	---	11
12	---	---	0 B	1.16	2.61	0.332	0	0	0	0	---	---	12
13	---	---	0 B	0.980	2.34	0.416	0	0	0	0	---	---	13
14	---	---	0 B	0.880	1.81	0.313	0	0	0	0	---	---	14
15	---	---	0 B	0.788	2.08	0.310	0	0	0	0	---	---	15
16	---	---	0 B	2.14	2.01	0.287	0	0	0	0	---	---	16
17	---	---	0 B	1.76	1.74	0.260	0	0	0	0	---	---	17
18	---	---	0 B	1.13	1.68	0.193	0	0	0	0	---	---	18
19	---	---	0 B	0.980	1.66	0.133	0	0	0	0	---	---	19
20	---	---	0 B	0.713	1.40	0.073	0	0	0	0	---	---	20
21	---	---	0 B	0.833	1.28	0.038	0	0	0	0	---	---	21
22	---	---	0 B	0.837	1.14	0.001	0	0	0	0	---	---	22
23	---	---	0.0020	0.807	1.00	0	0	0	0	0	---	---	23
24	---	---	0.0120	0.814	0.888	0	0	0	0	0	---	---	24
25	---	---	0.0080	0.486	0.784	0	0	0	0	0	---	---	25
26	---	---	0 B	0.478	0.668	0	0	0	0	0	---	---	26
27	---	---	0 B	0.466	0.581	0	0	0	0	0	---	---	27
28	---	---	0 B	0.383	0.550	0	0	0	0	0	---	---	28
29	---	---	0 B	0.437	0.588	0.011	0	0	0	0	---	---	29
30	---		0 B	0.518	0.448	0.004	0	0	0	0	---	---	30
31	---		0 B		0.378		0	0		0		---	31
TOTAL	---	---	0.030	39.337	78.277	4.030	0.001	0	0	1.503	---	---	TOTAL
MEAN	---	---	0.001	0.878	2.43	0.134	0	0	0	0.048	---	---	MEAN
MAX	---	---	0.012	2.06	8.71	0.416	0.001	0	0	0.271	---	---	MAX
MIN	---	---	0	0	0.378	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.437
MAXIMUM DAILY, 8.71 ON MAY 4
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
10.5 AT 20:00 CST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 26 N
LONG 100 41 42 W
DRAINAGE AREA, 137 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.02
FEB	---	AUG	0
MAR	1.73	SEP	0
APR	2 370	OCT	130
MAY	6 800	NOV	---
JUN	348	DEC	---

TOTAL DISCHARGE, 9 250 dam³

SIPIWESK LAKE AT FORESTRY DOCK - STATION NO. 05UD005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	185.848	185.704	185.681	185.208	185.088	185.074	184.777	184.743	184.718	184.884	184.870	---	1
2	185.856	185.701	185.663	185.188	185.125	185.061	184.768	184.737	184.738	184.700	184.867	---	2
3	185.853	185.686	185.643	185.171	185.107	185.048	184.756	184.747	184.736	184.710	185.008	---	3
4	185.843	185.691	185.637	185.174	185.170	185.022	184.760	184.738	184.733	184.713	185.028	---	4
5	185.838	185.679	185.640	185.170	185.148	185.008	184.761	184.736	184.736	184.701	185.050	---	5
6	185.829	185.668	185.636	185.151	185.128	184.985	184.754	184.728	184.733	184.694	185.061	---	6
7	185.822	185.654	185.630	185.138	185.133	184.969	184.762	184.728	184.723	184.695	185.074	---	7
8	185.806	185.640	185.630	185.142	185.148	184.978	184.778	184.728	184.728	184.711	185.080	---	8
9	185.804	185.626	185.621	185.151	185.159	184.968	184.758	184.718	184.721	184.732	185.084	---	9
10	185.801	185.617	185.631	185.163	185.178	184.944	184.767	184.728	184.721	184.736	185.094	---	10
11	185.806	185.606	185.627	185.136	185.184	184.908	184.761	184.727	184.718	184.748	185.088	---	11
12	185.801	185.603	185.623	185.127	185.182	184.817	184.755	184.736	184.722	184.761	185.128	---	12
13	185.843	185.587	185.617	185.107	185.191	184.812	184.741	184.740	184.743	184.774	185.157	---	13
14	185.843	185.585	185.606	185.092	185.181	184.889	184.758	184.737	184.733	184.781	185.171	---	14
15	185.848	185.580	185.607	185.080	185.182	184.872	184.768	184.731	184.736	184.810	185.182	---	15
16	185.881	185.582	185.484	185.078	185.173	184.847	184.778	184.715	184.728	184.805	185.198	---	16
17	185.876	185.582	185.484	185.078	185.157	184.821	184.770	184.709	184.720	184.804	185.210	---	17
18	185.888	185.585	185.444	185.088	185.148	184.808	184.768	184.701	184.733	184.808	185.221	---	18
19	185.908	185.582	185.423	185.082	185.127	184.815	184.758	184.681	184.731	184.817	185.232	---	19
20	185.914	185.588	185.400	185.088	185.109	184.801	184.758	184.688	184.744	184.837	185.241	---	20
21	185.932	185.592	185.383	185.083	185.101	184.788	184.763	184.682	184.737	184.857	185.253	---	21
22	185.943	185.588	185.371	185.088	185.090	184.772	184.758	184.707	184.742	184.884	185.261	---	22
23	185.949	185.594	185.380	185.088	185.071	184.765	184.760	184.726	184.740	184.899	185.267	---	23
24	185.964	185.587	185.328	185.087	185.083	184.772	184.760	184.727	184.731	184.898	185.278	---	24
25	185.969	185.577	185.311	185.081	185.088	184.778	184.747	184.715	184.718	184.898	185.278	---	25
26	185.974	185.577	185.301	185.048	185.081	184.777	184.743	184.702	184.713	184.887	185.276A	---	26
27	185.974	185.571	185.283	185.038	185.039	184.788	184.738	184.698	184.718	184.906	---	---	27
28	185.978	185.568	185.272	185.041	185.038	184.787	184.738	184.703	184.713	184.919	---	---	28
29	185.990	185.582	185.274	185.084	185.043	184.778	184.738	184.708	184.717	184.921	---	---	29
30	185.993		185.257	185.088	185.049	184.765	184.732	184.704	184.702	184.931	---	---	30
31	185.702		185.230		185.088		184.748	184.712		184.883		---	31
MEAN	185.834	185.618	185.437	185.101	185.121	184.880	184.757	184.718	184.727	184.808	---	---	MEAN
MAX	185.702	185.704	185.681	185.208	185.182	185.074	184.782	184.747	184.744	184.882	---	---	MAX
MIN	185.843	185.582	185.230	185.038	185.038	184.767	184.733	184.682	184.702	184.884	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 185.704 ON FEB 1
MINIMUM DAILY, 184.682 ON AUG 21
MAXIMUM INSTANTANEOUS,
185.708 AT 10:07 CST ON FEB 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 40 N
LONG 97 30 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

SIPIWESK LAKE AT SIPIWESK LANDING - STATION NO. 05UD007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	185.881	185.836	185.784	185.427	185.288	185.281	184.987	184.925	184.882	184.888	185.188	185.488	1
2	185.878	185.828	185.788	185.388	185.347	185.275	184.988	184.945	184.903	184.885	185.212	185.507	2
3	185.880	185.818	185.781	185.390	185.382	185.238	184.977	184.927	184.914	184.913	185.227	185.511	3
4	185.885	185.805	185.780	185.391	185.367	185.215	184.988	184.924	184.915	184.886	185.267	185.521	4
5	185.883	185.801	185.788	185.370	185.388	185.221	184.978	184.913	184.908	184.880	185.287	185.532	5
6	185.882	185.888	185.787	185.364	185.381	185.278	184.980	184.980	184.882	184.885	185.288	185.541	6
7	185.838	185.889	185.784	185.352	185.348	185.332	184.970	184.930A	184.910A	184.913	185.309	185.541	7
8	185.828	185.881	185.788	185.358	185.398	185.220	184.928A	184.918E	---	184.917	185.309	185.534	8
9	185.815	185.843	185.780	185.380	185.376	185.188	---	184.888E	---	184.883	185.308	185.528A	9
10	185.800	185.835	185.788	185.348,	185.388	185.138	---	184.900E	---	184.940A	185.317	---	10
11	185.781	185.838	185.780	185.347	185.382	185.184	---	184.922A	---	184.950E	185.327	---	11
12	185.774	185.830	185.748	185.324	185.388	185.178	---	184.914	---	184.882E	185.352	---	12
13	185.784	185.827	185.737	185.304	185.387	185.118	---	184.914	---	184.878E	185.370	---	13
14	185.772	185.821	185.732	185.284	185.427	185.108	---	184.908	---	184.885E	185.388	---	14
15	185.776	185.827	185.720	185.267	185.400	185.093	---	184.892	---	185.011E	185.403	---	15
16	185.788	185.817	185.704	185.280	185.372	185.088	---	184.918	---	185.002A	185.418	---	16
17	185.800	185.813	185.680	185.271	185.388	185.018	---	184.888	---	185.013	185.428	---	17
18	185.816	185.809	185.680	185.268	185.328	185.023	---	184.872	---	185.008	185.442	---	18
19	185.827	185.808	185.639	185.261	185.329	184.976	---	184.885	184.884	185.015	185.458	---	19
20	185.842	185.808	185.627	185.247	185.328	184.881	---	184.888	184.884	185.088	185.470	---	20
21	185.881	185.819	185.611	185.248	185.288	184.878	---	184.928	184.874	185.073	185.478	---	21
22	185.873	185.808	185.887	185.252	185.277	184.881	---	184.911	184.888	185.124	185.490	---	22
23	185.888	185.802	185.870	185.257	185.293	184.971	---	184.900	184.880	185.082	185.511	---	23
24	185.889	185.801	185.858	185.258	185.274	184.987	184.923A	184.883	184.842	185.081	185.510	---	24
25	185.891	185.804	185.827	185.258	185.288	184.988	184.938	184.878	184.820	185.073	185.803	---	25
26	185.894	185.800	185.808	185.244	185.247	184.984	184.918	184.888	184.812	185.088	185.488	---	26
27	185.888	185.788	185.803	185.242	185.282	184.982	184.907	184.883	184.811	185.100	185.488	---	27
28	185.908	185.788	185.800	185.248	185.288	185.020	184.910	184.888	184.811A	185.104	185.487	---	28
29	185.920	185.781	185.487	185.282	185.277	184.984	184.917	184.878	184.888	185.127	185.480	---	29
30	185.934		185.458	185.280	185.338	184.988	184.934	184.878	184.850	185.150	185.488	---	30
31	185.938		185.442		185.310		184.931	184.883		185.179		---	31
MEAN	185.848	185.837	185.857	185.305	185.337	185.083	---	184.902	---	185.005	185.388	---	MEAN
MAX	185.938	185.838	185.784	185.427	185.427	185.332	---	184.950	---	185.177	185.511	---	MAX
MIN	185.784	185.781	185.442	185.242	185.247	184.884	---	184.883	---	184.880	185.188	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 185.938 ON FEB 2
MINIMUM DAILY, 184.850 ON SEP 30
MAXIMUM INSTANTANEOUS,
185.934 AT 05:40 CST ON JAN 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 53 00 N
LONG 98 22 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1980 ADJ.)

SNOW LAKE ABOVE SNOW CREEK DAM - STATION NO. 05TB002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	274.743	274.780	274.880	274.870	274.780	274.487E	---	---	1
2	---	---	---	---	---	274.780E	274.885E	274.890E	274.780E	274.483E	---	---	2
3	---	---	---	---	---	274.780	274.890	274.890E	274.780	274.430	---	---	3
4	---	---	---	---	274.782	274.780E	274.880E	274.840	274.780E	274.430E	---	---	4
5	---	---	---	---	---	274.780E	274.890E	274.830E	274.740	274.420	---	---	5
6	---	---	---	---	274.781	274.780	274.880	274.820	274.735E	274.370E	---	---	6
7	---	---	---	---	---	274.780E	274.887E	274.818E	274.720	274.330	---	---	7
8	---	---	---	---	274.801	274.780	274.883E	274.815E	274.730E	274.320E	---	---	8
9	---	---	---	---	---	274.770E	274.810	274.813E	274.730E	274.330	---	---	9
10	---	---	---	---	---	274.780	274.810E	274.810	274.730	274.270E	---	---	10
11	---	---	---	---	274.891	274.740E	274.810	274.810E	274.725E	274.220	---	---	11
12	---	---	---	---	---	274.730E	274.810E	274.810	274.730	274.170E	---	---	12
13	---	---	---	---	---	274.720	274.810E	274.810E	274.720E	274.120	---	---	13
14	---	---	---	---	275.021	274.720E	274.810	274.810	274.730	274.130E	---	---	14
15	---	---	---	---	---	274.730	274.810E	274.810E	274.720E	274.120E	---	---	15
16	---	---	---	---	275.071	274.730	274.810	274.810	274.720E	274.130	---	---	16
17	---	---	---	---	---	274.740E	274.810E	274.810E	274.720	274.163E	---	---	17
18	---	---	---	---	275.371	274.750	274.810E	274.810	274.720E	274.187E	---	---	18
19	---	---	---	---	---	274.780E	274.810	274.800E	274.720	274.220	---	---	19
20	---	---	---	---	275.730	274.770	274.810E	274.790	274.670E	274.220E	---	---	20
21	---	---	---	---	---	274.787E	274.810	274.780E	274.620	274.220	---	---	21
22	---	---	---	---	---	274.803E	274.810E	274.780	274.620E	274.287E	---	---	22
23	---	---	274.705	---	276.880	274.820	274.810	274.785E	274.620	274.353E	---	---	23
24	---	---	---	---	---	274.825E	274.810E	274.780	274.620E	274.420	---	---	24
25	---	---	---	---	276.840	274.830	274.810	274.780E	274.630	274.420E	---	---	25
26	---	---	---	---	276.820	274.840E	274.810E	274.780	274.667E	274.420E	---	---	26
27	---	---	---	---	---	274.850	274.810	274.775E	274.653E	274.420	---	---	27
28	---	---	---	---	---	274.855E	274.810E	274.770	274.630	---	---	---	28
29	---	---	---	---	---	274.850	274.810	274.770E	274.630E	---	---	---	29
30	---		---	---	276.780	274.870E	274.897E	274.770	274.630	---	---	---	30
31	---		---		276.780E		274.883E	274.788E		---		---	31
MEAN	---	---	---	---	---	274.785	274.804	274.808	274.678	---	---	---	MEAN
MAX	---	---	---	---	---	274.870	274.810	274.870	274.780	---	---	---	MAX
MIN	---	---	---	---	---	274.730	274.880	274.788	274.630	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 52 33 N
LONG 99 56 42 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1972

DRAINAGE AREA,
270 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SNOWFLAKE CREEK NEAR SNOWFLAKE - STATION NO. 05UD018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0.0248	0.1038	0.002	0	0	0	0	0	0	0B	1
2	0B	0 B	0.0268	0.2878	0.004	0	0	0	0	0	0	0B	2
3	0B	0 B	0.0108	0.521	0.004	0	0	0	0	0	0	0B	3
4	0B	0 B	0.0238	0.512	0.002	0	0	0	0	0	0	0B	4
5	0B	0 B	0.1188	0.323	0.003	0	0	0	0	0	0	0B	5
6	0B	0 B	0.0888	0.107	0.002	0	0	0	0	0	0	0B	6
7	0B	0 B	0.0488	0.082	0.003	0	0	0	0	0	0	0B	7
8	0B	0 B	0.0488	0.068	0.004	0	0	0	0	0	0	0B	8
9	0B	0 B	0.0888	0.111	0.003	0	0	0	0	0	0	0B	9
10	0B	0 B	0.1318	0.087	0.002	0	0	0	0	0	0	0B	10
11	0B	0 B	0.0618	0.077	0.002	0	0	0	0	0	0	0B	11
12	0B	0 B	0.0338	0.078	0.003	0	0	0	0	0	0	0B	12
13	0B	0 B	0.0118	0.088	0.003	0	0	0	0	0	0	0B	13
14	0B	0 B	0.0078	0.068	0.002	0	0	0	0	0	0	0B	14
15	0B	0 B	0.0068	0.032	0.002	0	0	0	0	0	0	0B	15
16	0B	0 B	0.0048	0.028	0.002	0	0	0	0	0	0B	0B	16
17	0B	0 B	0.0038	0.021	0.001	0	0	0	0	0	0B	0B	17
18	0B	0 B	0.0028	0.016	0.001	0	0	0	0	0	0B	0B	18
19	0B	0 B	0.0018	0.018	0.001	0	0	0	0	0	0B	0B	19
20	0B	0 B	0.0018	0.013	0.001	0	0	0	0	0	0B	0B	20
21	0B	0 B	0.0038	0.013	0.001	0	0	0	0	0	0B	0B	21
22	0B	0 B	0.0188	0.011	0.001	0	0	0	0	0	0B	0B	22
23	0B	0 B	0.0538	0.009	0.001	0	0	0	0	0	0B	0B	23
24	0B	0 B	0.1328	0.007	0	0	0	0	0	0	0B	0B	24
25	0B	0 B	0.0988	0.006	0	0	0	0	0	0	0B	0B	25
26	0B	0 B	0.0338	0.006	0	0	0	0	0	0	0B	0B	26
27	0B	0.0188	0.0538	0.005	0	0	0	0	0	0	0B	0B	27
28	0B	0.0348	0.0388	0.004	0	0	0	0	0	0	0B	0B	28
29	0B	0.0178	0.0388	0.004	0	0	0	0	0	0	0B	0B	29
30	0B		0.0678	0.003	0	0	0	0	0	0	0B	0B	30
31	0B		0.0888		0		0	0		0		0B	31
TOTAL	0	0.087	1.384	2.917	0.082	0	0	0	0	0	0	0	TOTAL
MEAN	0	0.002	0.041	0.084	0.002	0	0	0	0	0	0	0	MEAN
MAX	0	0.034	0.132	0.521	0.004	0	0	0	0	0	0	0	MAX
MIN	0	0	0.001	0.003	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.521 ON APR 3
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
0.532 AT 09:37 CST ON APR 3

SUMMARY FOR THE YEAR 1988

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 17 N
LONG 98 36 13 W
DRAINAGE AREA, 980 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	5.75	AUG	0
MAR	109	SEP	0
APR	217	OCT	0
MAY	4.48	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 335 dam³

SOURIS RIVER ABOVE HARTNEY DAM - STATION NO. 05NG005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	419.389E	419.278	419.998	419.788	419.887E	420.014E	419.885	---	1
2	---	---	419.501	---	419.388	419.198E	419.885E	419.783E	419.907	420.010E	419.887	---	2
3	---	419.420	---	---	419.374E	419.118	419.891E	419.778	419.910E	420.007	419.882E	---	3
4	---	---	---	419.588	419.378	419.141E	419.888	419.807	419.914E	420.002E	419.887	---	4
5	419.484	---	---	419.489	419.384E	419.185E	419.888	419.787	419.917	419.997	---	---	5
6	---	---	---	419.579	419.389	419.188	419.888	419.814E	419.917E	419.987E	---	---	6
7	---	---	---	419.579E	419.382E	419.192E	419.888	419.832E	419.917	419.987	---	---	7
8	---	---	---	419.578	419.388E	419.196	419.888	419.849	419.922E	420.004E	---	419.884	8
9	---	---	---	419.568E	419.388	419.213E	419.885E	419.854E	419.927	420.010E	---	---	9
10	---	---	---	419.512E	419.404E	419.226	419.881E	419.859	419.947E	420.017	---	---	10
11	---	---	---	419.479	419.409	419.226E	419.888	419.868E	419.987E	420.017E	---	---	11
12	---	---	---	419.474E	419.409E	419.226E	420.008E	419.879	419.987	420.017	---	---	12
13	---	---	---	419.488	419.409	419.226	420.028	419.888E	420.002E	420.017E	---	---	13
14	---	---	---	419.488E	419.409E	419.226E	420.018E	419.851E	420.017	420.017	---	---	14
15	---	---	---	419.488	419.409E	419.248	420.008	419.837	420.017E	420.007E	---	---	15
16	---	---	---	419.459E	419.409	419.408E	420.005E	419.842E	420.017	419.997E	---	---	16
17	---	---	---	419.449E	419.408	419.588	420.001E	419.847	420.024E	419.987	---	---	17
18	---	---	---	419.439	419.389	419.575E	419.898	419.862E	420.030E	419.977E	---	---	18
19	---	---	---	419.414	419.389E	419.781E	419.868E	419.877	420.037	419.987	---	---	19
20	---	---	---	419.409	419.389	419.869	419.978	419.884E	420.032E	419.982E	---	---	20
21	---	---	---	419.484E	419.388E	419.923E	419.888E	419.890E	420.027	419.987	---	---	21
22	---	---	---	419.489	419.372E	419.956	419.956	419.897	420.022E	419.987E	---	---	22
23	---	---	---	419.488E	419.389	419.962E	419.931E	419.907E	420.017	419.967E	---	---	23
24	---	---	---	419.439E	419.339E	419.948	419.905E	419.917	420.020E	419.957	---	---	24
25	---	---	---	419.409	419.319	419.955E	419.878	419.907	420.024E	419.957E	---	---	25
26	---	---	---	419.404E	419.289E	419.951E	419.858E	419.897	420.027	419.957	---	---	26
27	---	---	---	419.389	419.278	419.905	419.836	419.887E	420.027E	419.962E	---	---	27
28	---	---	---	419.384E	419.288E	419.978E	419.828E	419.877E	420.027	419.987	---	---	28
29	---	---	---	419.389	419.288E	419.988	419.818	419.887	420.022E	419.987E	---	---	29
30	---		---	419.388E	419.248	419.993E	419.806E	419.887E	420.017	419.987E	---	---	30
31	---		---		419.283E		419.798E	419.897		419.997		---	31
MEAN	---	---	---	---	419.388	419.838	419.853	419.857	419.884	419.987	---	---	MEAN
MAX	---	---	---	---	419.489	419.993	420.028	419.917	420.037	420.017	---	---	MAX
MIN	---	---	---	---	419.248	419.118	419.798	419.778	419.887	419.887	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 420.037 ON SEP 19
MINIMUM DAILY, 419.118 ON JUN 3

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 36 N
LONG 100 31 30 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1941

DRAINAGE AREA,
52 300 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SOURIS RIVER AT SOURIS - STATION NO. 05NG021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.34 B	0.615	0.304	0.112	0.139	0.088	0.172	0.837	---	---	1
2	---	---	1.33 B	1.02	0.379	0.147	0.208	0.081	0.110	0.833	---	---	2
3	---	---	1.26 B	1.22	0.348	0.127	0.250	0.088	0.072	0.815	---	---	3
4	---	---	1.28 B	1.58	0.330	0.188	0.191	0.045	0.071	0.815	---	---	4
5	---	---	1.31 B	1.80	0.286	0.189	0.346	0.070	0.081	0.815	---	---	5
6	---	---	1.28 B	1.80	0.323	0.105	0.873	0.088	0.087	0.567	---	---	6
7	---	---	1.28 B	1.63	0.354	0.058	1.63	0.081	0.188	0.548	---	---	7
8	---	---	1.15 B	1.38	0.359	0.021	0.701	0.027	0.120	0.588	---	---	8
9	---	---	1.08 B	0.885	0.351	0.025	0.431	0.055	0.040	0.808	---	---	9
10	---	---	1.00 B	1.11	0.344	0.018	0.377	0.023	0.134	0.825	---	---	10
11	---	---	0.8858	1.08	0.324	0.024	0.402	0.001	0.277	0.887	---	---	11
12	---	---	0.7898	0.984	0.358	0.003	0.783	0.037	0.378	0.730	---	---	12
13	---	---	0.7838	0.885	0.332	0.001	0.781	0.080	0.440	0.721	---	---	13
14	---	---	0.8578	0.788	0.344	0.008	0.840	0.138	0.458	0.854	---	---	14
15	---	---	0.8128	0.878	0.387	0.008	0.897	0.156	0.514	0.849	---	---	15
16	---	---	0.8588	0.880	0.321	0.007	0.578	0.183	0.880	0.821	---	---	16
17	---	---	0.8588	0.583	0.315	0.008	0.581	0.185	0.884	0.889	---	---	17
18	---	---	0.8648	0.528	0.301	0.011	0.580	0.187	0.778	1.06	---	---	18
19	---	---	0.8618	0.446	0.289	0.013	0.520	0.227	0.804	0.858	---	---	19
20	---	---	0.8348	0.398	0.259	0.018	0.483	0.208	0.810	0.800	---	---	20
21	---	---	0.8548	0.322	0.233	0.018	0.427	0.328	0.778	0.870	---	---	21
22	---	---	0.8868	0.310	0.212	0.022	0.384	0.328	0.704	0.881	---	---	22
23	---	---	0.8638	0.822	0.172	0.048	0.278	0.188	0.881	0.878	---	---	23
24	---	---	0.7838	0.881	0.182	0.121	0.188	0.183	0.888	0.878	---	---	24
25	---	---	0.7698	0.881	0.178	0.082	0.173	0.172	0.888	0.888	---	---	25
26	---	---	0.7268	0.431	0.168	0.117	0.151	0.188	0.872	0.834	---	---	26
27	---	---	0.7348	0.348	0.177	0.103	0.141	0.192	0.842	0.824	---	---	27
28	---	---	0.8868	0.303	0.178	0.074	0.127	0.201	0.888	0.837	---	---	28
29	---	---	0.8308	0.272	0.147	0.094	0.128	0.222	0.883	0.480	---	---	29
30	---		0.8428	0.271	0.143	0.087	0.085	0.212	0.884	0.482	---	---	30
31	---		0.885		0.144		0.083	0.180		0.502		---	31
TOTAL	---	---	26.318	24.583	8.443	1.840	13.034	4.388	13.835	19.888	---	---	TOTAL
MEAN	---	---	0.849	0.819	0.272	0.061	0.420	0.141	0.455	0.845	---	---	MEAN
MAX	---	---	1.36	1.80	0.379	0.188	1.63	0.338	0.894	1.06	---	---	MAX
MIN	---	---	0.534	0.271	0.143	0.001	0.083	0.001	0.040	0.482	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.488
MAXIMUM DAILY, 1.80 ON APR 5
MINIMUM DAILY, 0.001 ON JUN 13
MAXIMUM INSTANTANEOUS,
3.78 AT 00:36 CST ON JUL 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 10 N
LONG 100 15 00 W
DRAINAGE AREA, 58 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 130
FEB	---	AUG	377
MAR	2 270	SEP	1 180
APR	2 120	OCT	1 730
MAY	728	NOV	---
JUN	159	DEC	---

TOTAL DISCHARGE, 9 700 dam³

SOURIS RIVER AT WAWANESA - STATION NO. 05MG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3688	0.0288	1.528	1.20 B	0.784	0.282	0.001	0.128	0.001	0.554	0.607	0.2528	1
2	0.3278	0.0348	1.588	1.45 B	0.803	0.257	0.001	0.104	0.001	0.588	0.628	0.2708	2
3	0.3138	0.0388	1.208	1.88 B	0.758	0.222	0.001	0.086	0.001	0.581	0.582	0.2788	3
4	0.2888	0.0288	1.018	3.02 B	0.755	0.201	0.001	0.087	0.001	0.582	0.586	0.2628	4
5	0.2208	0.0268	1.068	4.59 B	0.728	0.184	0.001	0.080	0.001	0.548	0.626	0.2648	5
6	0.1338	0.0288	1.188	4.35 B	0.718	0.163	0.012	0.085	0.001	0.534	0.577	0.2558	6
7	0.1128	0.0388	1.148	4.28	0.711	0.141	0.038	0.050	0.001	0.552	0.585	0.2568	7
8	0.1418	0.0768	1.038	4.06	0.783	0.121	0.026	0.024	0.001	0.582	0.607	0.2348	8
9	0.1448	0.0788	1.188	3.40	0.810	0.110	2.85	0.020	0.001	0.588	0.588	0.2378	9
10	0.1208	0.0778	1.788	3.38	0.751	0.087	1.80	0.003	0.001	0.527	0.582	0.1848	10
11	0.0838	0.1308	2.088	3.38	0.688	0.072	1.38	0.001	0.001	0.522	0.4788	0.1208	11
12	0.0368	0.2488	2.178	3.24	0.621	0.084	1.10	0.001	0.001	0.512	0.5048	0.0888	12
13	0.0358	0.2808	1.898	3.07	0.582	0.064	0.888	0.001	0.001	0.483	0.4458	0.0928	13
14	0.0428	0.2288	1.638	2.88	0.651	0.073	0.588	0.001	0.001	0.476	0.5558	0.0888	14
15	0.0288	0.2178	1.528	2.38	0.631	0.107	0.748	0.001	0.001	0.507	0.5278	0.1058	15
16	0.0228	0.2708	1.488	2.10	0.522	0.114	0.658	0.001	0.001	0.555	0.4878	0.1138	15
17	0.0218	0.3788	1.438	1.82	0.542	0.110	0.585	0.001	0.001	0.600	0.4818	0.1248	17
18	0.0358	0.3648	1.288	1.82	0.488	0.105	0.898	0.001	0.001	0.577	0.4828	0.1088	18
19	0.0428	0.3028	1.188	1.88	0.508	0.198	0.567	0.001	0.001	0.583	0.4418	0.0988	19
20	0.0428	0.3138	1.188	1.42	0.488	0.183	0.542	0.001	0.001	0.533	0.4888	0.0928	20
21	0.0508	0.4888	1.118	1.26	0.488	0.158	0.515	0.001	0.188	0.831	0.4578	0.0948	21
22	0.0578	0.3748	1.048	1.18	0.428	0.143	0.448	0.001	0.880	0.838	0.4228	0.0988	22
23	0.0508	0.3288	1.028	1.06	0.408	0.123	0.428	0.001	0.708	0.881	0.3978	0.1118	23
24	0.0338	0.8218	1.108	0.938	0.384	0.097	0.381	0.001	0.774	0.882	0.4158	0.1118	24
25	0.0308	0.6718	1.218	0.833	0.347	0.083	0.344	0.001	0.788	0.830	0.4038	0.1128	25
26	0.0318	0.6898	1.108	0.772	0.338	0.075	0.315	0.001	0.644	0.805	0.3788	0.1088	26
27	0.0278	1.14 B	1.148	0.811	0.318	0.088	0.288	0.001	0.582	0.826	0.3578	0.1058	27
28	0.0268	1.48 B	1.178	1.08	0.288	0.033	0.180	0.001	0.587	0.503	0.2988	0.0988	28
29	0.0288	1.34 B	1.168	0.945	0.288	0.007	0.108	0.001	0.544	0.582	0.3148	0.0988	29
30	0.0278		1.118	0.858	0.281	0.001	0.187	0.001	0.534	0.580	0.2778	0.1008	30
31	0.0288		1.158		0.288		0.187	0.001		0.813		0.1128	31
TOTAL	2.802	10.782	40.37	65.889	18.837	3.885	18.523	0.881	8.890	17.857	14.824	4.748	TOTAL
MEAN	0.084	0.372	1.30	2.20	0.648	0.122	0.533	0.022	0.200	0.578	0.484	0.153	MEAN
MAX	0.385	1.48	2.17	4.59	0.810	0.282	2.85	0.128	0.774	0.838	0.677	0.285	MAX
MIN	0.021	0.026	1.01	0.772	0.288	0.001	0.001	0.001	0.001	0.478	0.277	0.088	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.580
MAXIMUM DAILY, 4.888 ON APR 5
MINIMUM DAILY, 0.001 ON JUN 30
MAXIMUM INSTANTANEOUS,
6.888 AT 20:80 CST ON APR 5

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 05 N
LONG 99 40 55 W
DRAINAGE AREA, 80 400 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	281	JUL 1 430	
FEB	932	AUG	58.8
MAR 3 480		SEP	518
APR 5 880		OCT 1 540	
MAY 1 480		NOV 1 280	
JUN	318	DEC	410

TOTAL DISCHARGE, 17 400 dam³

SOURIS RIVER NEAR COULTER - STATION NO. 05MF016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6858	0.8488	0.5448	0.1718	0.001	0.198	1.00	0.780	0.824	0.813	0.2338	0B	1
2	0.7048	0.8208	0.1828	0.1788	0.001	0.625	1.04	0.781	0.744	0.888	0.258	0B	2
3	0.7488	0.8188	0.0848	0.2538	0.001	0.628	1.07	0.804	0.788	0.933	0.274	0B	3
4	0.7818	0.8378	0.0788	0.2818	0.002	0.688	1.01	0.820	0.803	0.843	0.227	0B	4
5	0.8088	0.8778	0.1008	0.3008	0.004	0.805	1.14	0.859	0.828	0.782	0.384	0B	5
6	0.8088	0.8878	0.1038	0.2018	0.010	0.878	1.07	0.824	0.827	0.723	0.487	0B	6
7	0.7878	0.8028	0.1058	0.188	0.002	0.840	1.18	0.780	0.868	0.685	0.415	0B	7
8	0.7888	0.8878	0.1108	0.001	0.002	0.883	1.13	0.675	0.787	0.885	0.331	0B	8
9	0.7838	0.7888	0.0848	0.088	0.002	0.788	1.02	0.865	0.838	0.824	0.1338	0B	9
10	0.7728	0.8588	0.0898	0.124	0.004	0.780	0.883	0.881	0.859	0.634	0.0878	0B	10
11	0.7838	0.8128	0.0588	0.148	0.002	0.886	0.880	1.01	0.859	0.748	0.0648	0B	11
12	0.7598	0.8288	0.0818	0.008	0.001	0.772	0.878	1.03	1.18	0.888	0.0268	0B	12
13	0.7288	0.8828	0.0808	0	0.008	0.873	0.843	1.00	0.874	0.722	0.0078	0B	13
14	0.8948	0.8758	0.0708	0	0.008	0.898	0.848	0.880	0.958	0.880	0.0028	0B	14
15	0.8878	0.8988	0.0838	0	0.004	0.588	0.703	0.881	0.903	0.838	0.0128	0B	15
16	0.8708	0.8808	0.0808	0	0.002	0.877	0.738	0.888	0.781	0.823	0.0128	0B	16
17	0.8688	0.8788	0.0588	0	0.010	0.849	0.898	0.801	0.848	0.812	0.0088	0B	17
18	0.8268	0.8398	0.0488	0	0.002	0.588	0.888	0.883	0.873	0.818	0.0088	0B	18
19	0.8118	0.4488	0.0388	0	0.001	0.858	0.880	0.809	0.815	0.723	0.0028	0B	19
20	0.8538	0.5988	0.0428	0	0.001	0.852	0.848	0.785	1.02	0.581	0 B	0B	20
21	0.7088	0.5208	0.0878	0	0.001	0.887	0.871	0.810	0.882	0.787	0 B	0B	21
22	0.7338	0.5848	0.1748	0	0.002	0.708	0.730	0.804	0.808	0.811	0 B	0B	22
23	0.7338	0.8358	0.2148	0	0.002	0.881	0.838	0.705	0.838	0.878	0 B	0B	23
24	0.7108	0.8498	0.1728	0	0.003	0.837	0.733	0.822	0.818	0.745	0 B	0B	24
25	0.8888	0.8838	0.2308	0	0.002	0.831	0.781	0.821	0.873	0.838	0 B	0B	25
26	0.7038	0.8888	0.1838	0	0.001	0.888	0.783	0.885	0.730	0.804	0 B	0B	26
27	0.6358	0.8858	0.1878	0	0.001	0.828	0.778	0.787	0.888	0.870	0 B	0B	27
28	0.8728	0.7138	0.1708	0	0.001	0.782	0.738	0.803	0.888	0.7488	0 B	0B	28
29	0.8788	0.8748	0.1408	0	0.002	0.888	0.781	0.804	0.882	0.8738	0 B	0B	29
30	0.8548		0.1418	0	0.003	0.878	0.858	0.881	0.800	0.4118	0 B	0B	30
31	0.7988		0.1338		0.002		0.748	0.888		0.2878		0B	31
TOTAL	23.050	20.282	3.873	1.787	0.088	21.888	28.818	26.817	24.878	21.732	2.847	0	TOTAL
MEAN	0.744	0.888	0.125	0.080	0.003	0.732	0.888	0.858	0.818	0.701	0.088	0	MEAN
MAX	0.878	0.837	0.844	0.253	0.010	0.888	1.18	1.03	1.18	0.888	0.487	0	MAX
MIN	0.611	0.448	0.038	0	0.001	0.188	0.838	0.888	0.800	0.287	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.474
MAXIMUM DAILY, 1.18 ON SEP 13
MINIMUM DAILY, 0 ON APR 13
MAXIMUM INSTANTANEOUS,
1.28 AT 03:88 CST ON SEP 12

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 27 N
LONG 100 57 12 W
DRAINAGE AREA, 43 200 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN 1 880		JUL 2 300	
FEB 1 760		AUG 2 300	
MAR	335	SEP 2 120	
APR	164	OCT 1 880	
MAY	7.43	NOV	255
JUN 1 800		DEC	0

TOTAL DISCHARGE, 15 000 dam³

SOURIS RIVER NEAR MELITA (P.T.H. NO.3) - STATION NO. 05NF003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	428.787E	428.706	428.788E	---	428.682E	---	---	---	1
2	---	---	428.784	---	428.784E	428.710E	428.782E	---	428.682	---	---	---	2
3	---	428.761	---	---	428.782E	428.730E	428.788E	428.612	428.685E	428.694	---	---	3
4	---	---	---	---	428.780	428.741E	428.806	428.807E	428.688E	---	428.682	---	4
5	428.711	---	---	---	428.788E	428.752E	428.810E	428.803	428.687E	---	---	---	5
6	---	---	---	---	428.778E	428.783	428.815	428.788E	428.688E	---	---	---	6
7	---	---	---	---	428.784	428.789	428.808E	428.784E	428.670	---	---	---	7
8	---	---	---	---	428.784E	428.787	428.802	428.789	428.678E	---	428.685	428.686	8
9	---	---	---	---	428.784	428.784E	428.802E	428.781E	428.670	---	---	---	9
10	---	---	---	---	428.778E	428.781	428.801E	428.782E	428.678E	---	---	---	10
11	---	---	---	---	428.788	428.783E	428.788	428.783E	428.688E	---	---	---	11
12	---	---	---	---	428.782E	428.788E	428.804E	428.782	428.687	---	---	---	12
13	---	---	---	428.717	428.788	428.787	428.809	428.783E	428.683E	---	---	---	13
14	---	---	---	428.717E	428.788E	428.788E	428.807E	428.783E	428.688E	---	---	---	14
15	---	---	---	428.717E	428.788E	428.824	428.806	428.783	428.685	---	---	---	15
16	---	---	---	428.717E	428.784	428.818E	---	428.788E	428.687E	---	---	---	16
17	---	---	---	428.717E	428.782E	428.812E	---	428.789	428.688E	---	---	---	17
18	---	---	---	428.717	428.781	428.808E	---	428.801E	428.682E	---	---	---	18
19	---	---	---	428.720E	428.748E	428.788E	---	428.803	428.684	---	---	---	19
20	---	---	---	428.723	428.739	428.783	---	428.803E	428.684E	---	---	---	20
21	---	---	---	428.781E	428.738E	428.788E	---	428.801E	428.684E	428.884	---	---	21
22	---	---	---	428.788	428.734E	428.788E	---	428.789	428.684	---	---	---	22
23	---	---	---	428.782E	428.721E	428.781	---	428.788E	428.688E	---	---	---	23
24	---	---	---	428.784E	428.739E	428.778E	---	428.788	428.688E	---	---	---	24
25	---	---	---	428.776	428.728	428.778	---	428.827E	428.681E	---	---	---	25
26	428.682	---	---	428.778E	428.723E	428.778E	---	428.857	428.903	428.881	---	---	26
27	---	---	---	428.772	428.728	428.778E	---	428.858E	428.882E	---	---	---	27
28	---	---	---	428.771E	428.718E	428.778	---	428.888E	428.888	---	---	---	28
29	---	---	---	428.770E	428.712E	428.778	---	428.888E	428.888E	---	---	---	29
30	---		---	428.788	428.708	428.778	---	428.888E	428.888	---	---	---	30
31	---		---		428.788E		---	428.888		---		---	31
MEAN	---	---	---	---	428.748	428.772	---	---	428.686	---	---	---	MEAN
MAX	---	---	---	---	428.788	428.824	---	---	428.903	---	---	---	MAX
MIN	---	---	---	---	428.708	428.708	---	---	428.682	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 58 N
LONG 100 58 15 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1937

DRAINAGE AREA,
49 100 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SOURIS RIVER NEAR WESTHOPE - STATION NO. 05NF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.788	0.783	0.481	0.127	0.005	1.10	0.708	0.880	0.823	0.595	0.188	0	1
2	0.788	0.783	0.119	0.147	0.015	0.881	0.708	0.880	0.595	0.823	0.288	0	2
3	0.849	0.783	0.102	0.178	0.020	0.834	0.708	0.851	0.595	0.595	0.218	0	3
4	0.849	0.783	0.102	0.178	0.015	0.807	0.880	0.851	0.823	0.728	0.340	0	4
5	0.849	0.785	0.099	0.150	0.007	0.877	0.708	0.823	0.851	0.738	0.388	0	5
6	0.838	0.785	0.093	0.133	0.012	0.84	0.851	0.595	0.823	0.708	0.510	0	6
7	0.849	0.785	0.088	0.110	0.023	0.81	0.880	0.838	0.823	0.880	0.483	0	7
8	0.849	0.785	0.082	0.122	0.014	0.82	0.851	0.595	0.851	0.880	0.187	0	8
9	0.849	0.785	0.079	0.144	0.018	0.83	0.851	0.595	0.728	0.851	0.088	0	9
10	0.849	0.785	0.078	0.082	0.018	0.821	0.823	0.595	0.785	0.595	0.021	0	10
11	0.878	0.785	0.082	0.079	0.023	0.821	0.851	0.595	0.880	0.708	0.018	0	11
12	0.878	0.738	0.071	0.081	0.081	0.821	0.880	0.851	0.708	0.821	0.014	0	12
13	0.878	0.738	0.082	0.026	0.074	0.821	0.823	0.851	0.708	0.785	0.018	0	13
14	0.878	0.708	0.078	0.015	0.079	0.821	0.510	0.851	0.708	0.851	0.012	0	14
15	0.878	0.738	0.079	0.008	0.082	0.783	0.595	0.851	0.708	0.823	0.010	0	15
16	0.834	0.708	0.082	0.002	0.088	0.785	0.595	0.851	0.708	0.538	0.007	0	16
17	0.934	0.708	0.082	0	0.180	0.595	0.595	0.851	0.880	0.595	0.005	0	17
18	0.806	0.708	0.085	0	0.238	0.823	0.595	0.851	0.851	0.595	0.004	0	18
19	0.878	0.708	0.088	0	0.238	0.849	0.595	0.851	0.851	0.851	0.003	0	19
20	0.878	0.708	0.110	0	0.244	0.806	0.595	0.851	0.785	0.823	0.002	0	20
21	0.849	0.708	0.125	0	0.238	0.821	0.595	0.851	0.785	0.595	0.002	0	21
22	0.849	0.880	0.133	0	0.244	0.793	0.595	0.823	0.880	0.595	0.002	0	22
23	0.849	0.880	0.188	0	0.255	0.849	0.595	0.595	0.851	0.453	0.001	0	23
24	0.849	0.880	0.188	0	0.272	1.02	0.595	0.595	0.851	0.785	0.001	0	24
25	0.849	0.880	0.184	0	0.266	1.10	0.595	0.823	0.851	0.595	0.001	0	25
26	0.849	0.880	0.144	0	0.272	0.785	0.595	0.851	0.851	0.595	0.001	0	26
27	0.849	0.880	0.133	0	0.278	0.708	0.595	0.823	0.823	0.425	0.001	0	27
28	0.821	0.880	0.138	0	0.288	0.708	0.595	0.823	0.851	0.238	0	0	28
29	0.821	0.880	0.128	0	0.244	0.708	0.851	0.851	0.851	0.210	0	0	29
30	0.821		0.127	0.061	0.227	0.728	0.880	0.851	0.851	0.118	0	0	30
31	0.793		0.127		0.288		0.851	0.851		0.105		0	31
TOTAL	26.441	21.131	3.709	1.861	4.277	25.035	18.341	18.538	20.077	17.803	3.884	0	TOTAL
MEAN	0.853	0.729	0.120	0.053	0.138	0.834	0.824	0.830	0.669	0.574	0.088	0	MEAN
MAX	0.934	0.783	0.481	0.178	0.278	1.10	0.708	0.880	0.785	0.821	0.510	0	MAX
MIN	0.788	0.880	0.082	0	0.005	0.595	0.510	0.538	0.595	0.105	0	0	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.441
MAXIMUM DAILY, 1.10 ON JUN 25
MINIMUM DAILY, 0 ON APR 17
MAXIMUM INSTANTANEOUS,
1.86 AT 10:45 CST ON JUN 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 47 N
LONG 100 57 28 W
DRAINAGE AREA, 62 900 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 280	JUL	1 870
FEB	1 830	AUG	1 850
MAR	320	SEP	1 730
APR	134	OCT	1 540
MAY	370	NOV	332
JUN	2 180	DEC	0

TOTAL DISCHARGE, 16 000 dam³

SOUTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KK005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	295.790	295.781	295.781	295.733	295.745A	295.637	295.773	295.741	295.697	295.682	295.654	295.626	1
2	295.790	295.783	295.785	295.734	295.762E	295.633	295.772	295.736	295.694	295.676	295.652	295.626	2
3	295.792	295.783	295.785	295.733	295.778E	295.633	295.763	295.746	295.688	295.677	295.651	295.623	3
4	295.793	295.782	295.784	295.737	295.800A	295.633	295.765	295.760	295.685	295.667	295.654	295.626	4
5	295.794	295.782	295.785	295.742	295.797A	295.637	295.761	295.761	295.691	295.667	295.652	295.623	5
6	295.788	295.782	295.784	295.738	295.800A	295.638	295.765	295.737	295.692	295.685	295.650	295.623	6
7	295.785	295.782	295.788	295.731	295.806A	295.785	295.780	295.725	295.705	295.664	295.650	295.618	7
8	295.782	295.783	295.787	295.737	295.822A	295.788	295.777	295.728	295.724	295.667	295.648	295.618	8
9	295.782	295.783	295.785	295.742	295.786A	295.815	295.780	295.730	295.691	295.667	295.641	295.618	9
10	295.790	295.785	295.782	295.740	295.811A	295.820	295.748	295.718	295.694	295.664	295.641	295.613	10
11	295.788	295.788	295.748	295.738	295.810	295.821	295.784	295.718	295.693	295.672	295.641	295.618	11
12	295.781	295.789	295.748	295.737	295.781	295.809	295.780	295.723	295.702	295.670	295.642	295.620	12
13	295.779	295.787	295.748	295.734	295.808	295.808	295.785	295.720	295.697	295.661	295.643	295.618	13
14	295.778	295.788	295.748	295.731	295.780	295.788	295.738	295.715	295.703	295.663	295.642	295.618	14
15	295.776	295.789	295.747	295.730	295.790	295.790	295.785	295.718	295.698	295.663	295.642	295.618	15
16	295.777	295.782	295.748	295.729	295.808	295.786	295.783	295.701	295.695	295.668	295.638	295.618	16
17	295.771	295.782	295.743	295.728	295.802	295.782	295.781	295.688	295.670	295.674	295.638	295.619	17
18	295.770	295.781	295.742	295.724	295.818	295.784	295.782	295.708	295.686	295.674	295.638	295.621	18
19	295.771	295.781	295.741	295.721	295.820	295.803	295.781	295.688	295.673	295.668	295.638	295.618	19
20	295.788	295.780	295.738	295.718	295.818	295.788	295.783	295.704	295.684	295.648	295.639	295.618	20
21	295.788	295.783	295.733	295.718	295.822	295.780	295.783	295.682	295.681	295.681	295.638	295.618	21
22	295.781	295.783	295.738	295.717	295.807	295.771	295.787	295.718	295.686	295.648	295.638	295.618	22
23	295.781	295.781	295.738	295.721	295.788	295.780	295.783	295.708	295.686	295.632	295.633	295.617	23
24	295.781	295.780	295.738	295.717	295.790	295.778	295.784	295.703	295.681	295.635	295.638	295.617	24
25	295.788	295.781	295.732	295.711	295.818	295.783	295.784	295.688	295.684	295.638	295.638	295.618	25
26	295.787	295.748	295.733	295.714	295.827	295.777	295.758	295.684	295.688	295.681	295.632	295.621	26
27	295.788	295.782	295.736	295.720	295.818	295.748	295.747	295.678	295.697	295.631	295.630	295.622	27
28	295.782	295.781	295.737	295.723	295.812	295.787	295.735	295.684	295.698	295.642	295.629	295.621	28
29	295.784	295.748	295.738	295.724	295.828	295.788	295.781	295.693	295.701	295.660	295.629	295.618	29
30	295.781		295.738	295.726	295.793	295.781	295.747	295.692	295.692	295.652	295.624	295.618	30
31	295.783		295.733		295.831		295.781	295.698		295.654		295.618	31
MEAN	295.778	295.783	295.744	295.728	295.803	295.788	295.768	295.713	295.694	295.665	295.641	295.618	MEAN
MAX	295.788	295.789	295.788	295.742	295.827	295.827	295.780	295.781	295.724	295.687	295.654	295.626	MAX
MIN	295.781	295.748	295.728	295.711	295.745	295.748	295.738	295.675	295.670	295.631	295.624	295.613	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 295.724
MAXIMUM DAILY, 295.837 ON JUN 1
MINIMUM DAILY, 295.613 ON DEC 10
MAXIMUM INSTANTANEOUS,
295.881 AT 10:41 CST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1984

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SOUTH SEAL RIVER ABOVE FOX LAKE - STATION NO. 05GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.1B	20.0B	19.3B	17.0B	17.0B	274	204	100	53.8	33.0E	26.0B	22.0B	1
2	26.0B	20.0B	19.2B	17.7B	17.0B	273	194	99.6	52.1	33.0E	26.0B	22.0B	2
3	25.6B	20.7B	19.1B	17.6B	17.0B	276	190	96.3	50.6	32.0E	26.0B	22.0B	3
4	25.4B	20.0B	19.0B	17.6B	18.0B	281	184	95.7	48.6	32.0E	26.0B	22.0B	4
5	25.3B	20.6B	18.9B	17.6B	18.3B	284	178	95.3	47.6	32.0E	26.0B	22.0B	5
6	24.9B	20.6B	18.8B	17.6B	18.7B	287	174	93.6	47.6	31.0E	26.0B	22.0B	6
7	24.7B	20.6B	18.6B	17.6B	19.4B	288	168	92.6	46.6	31.0E	26.0B	22.0B	7
8	24.6B	20.4B	18.6B	17.6B	20.1B	291	168	92.6	44.0	31.0E	26.0B	22.0B	8
9	24.3B	20.4B	18.6B	17.6B	25.0B	291	158	92.6	41.6	31.0E	26.0B	22.0B	9
10	24.2B	20.4B	18.7B	17.6B	28.0B	291	158	93.1	41.3	30.0E	24.0B	21.0B	10
11	24.1B	20.2B	18.6B	17.6B	46.3B	285	157	91.5	40.6	30.0E	24.0B	21.0B	11
12	23.7B	20.1B	18.6B	17.7B	64.7B	278	153	91.4	38.9	30.0E	24.0B	21.0B	12
13	23.6B	20.1B	18.6B	17.6B	64.0B	278	147	90.9	38.5	30.0E	24.0B	21.0B	13
14	23.3B	20.0B	18.6B	17.6B	74.7B	272	145	89.4	38.7	30.0E	24.0B	21.0B	14
15	23.1B	20.0B	18.6B *	17.6B	91.0B	266	144	88.9	38.3	30.0E	24.0B	21.0B	15
16	23.0B	20.0B	18.4B	17.6B	110 B	248	140	83.6	37.7	29.0E	24.0B	21.0B	16
17	22.8B	20.0B	18.4B	17.6B	122 B	243	137	82.7	37.0	29.0E	24.0B	21.0B	17
18	22.6B	19.8B	18.3B	17.6B	136 B	237	134	81.4	36.6	29.0E	23.0B	21.0B	18
19	22.4B	19.8B	18.3B	17.6B	166 B	234	130	76.3	37.0E	29.0E	23.0B	21.0B	19
20	22.3B	19.8B	18.3B	17.6B	176 B	236	127	76.3	36.0E	28.0E	23.0B	21.0B	20
21	22.0B	19.6B	18.3B	17.0B	186	236	125	73.3	36.0E	28.0E	23.0B	21.0B	21
22	21.8B	19.5B	18.3B	17.0B	205	240	123	70.0	36.0E	28.0E	23.0B	21.0B	22
23	21.6B	19.5B	18.3B	17.0B	223	242	118	68.6	35.0E	28.0E	23.0B	21.0B	23
24	21.7B	19.4B	18.3B	17.0B	241	239	118	67.1	35.0E	28.0E	23.0B	21.0B	24
25	21.6B	19.4B	18.2B	17.0B	267	237	114	64.3	35.0E	27.0E	22.0B	21.0B	25
26	21.4B	19.4B	18.2B	17.0B	268	234	113	63.1	34.0E	27.0B	22.0B	21.0B	26
27	21.3B	19.4B	18.1B	17.0B	276	227	111	60.1	34.0E	27.0B	22.0B	21.0B	27
28	21.2B	19.4B	18.1B	17.0B	277	220	108	59.2	34.0E	27.0B	22.0B	21.0B	28
29	21.1B	19.4B	18.1B	17.0B	277	217	106	58.8	33.0E	26.0B	22.0B	21.0B	29
30	21.1B		18.0B	17.0B	274	210	103	57.1	33.0E	26.0B	22.0B	21.0B	30
31	20.9B		18.0B		274		102	55.4		26.0B		21.0B	31
TOTAL	718.0	580.8	574.1	530.4	3 698.1	7 715	4 431	2 502.1	1 200.8	906.0	714.0	680.0	TOTAL
MEAN	23.2	20.0	18.5	17.7	120	257	143	80.7	40.0	29.3	23.8	21.3	MEAN
MAX	26.1	20.8	19.3	17.8	277	291	204	100	53.8	33.0	26.0	22.0	MAX
MIN	20.8	19.4	18.0	17.0	17.0	210	102	55.4	33.0	26.0	23.0	21.0	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 87.0
MAXIMUM DAILY, 291 ON JUN 8
MINIMUM DAILY, 17.0B ON APR 13
MAXIMUM INSTANTANEOUS,
293 AT 10:10 CST ON JUN 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 35 N
LONG 99 13 40 W
DRAINAGE AREA, 13 000 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	62 000	JUL	383 000
FEB	50 200	AUG	218 000
MAR	49 600	SEP	104 000
APR	46 000	OCT	78 000
MAY	345 000	NOV	61 700
JUN	667 000	DEC	57 000

TOTAL DISCHARGE, 2 120 000 dam³

SOUTH TOBACCO CREEK NEAR MIAMI - STATION NO. 05OF017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.080E	0.008	0	0	0	0	B	---	---	1
2	---	---	0 B	0.150E	0.008	0	0	0	0	B	---	---	2
3	---	---	0 B	0.375E	0.008	0	0	0	0	B	---	---	3
4	---	---	0.002B	0.342A	0.007	0	0	0	0	B	---	---	4
5	---	---	0.008B	0.281A	0.006	0	0	0	0	B	---	---	5
6	---	---	0.014B	0.204A	0.006	0	0	0	0	B	---	---	6
7	---	---	0.013E	0.173A	0.010	0	0	0	0	B	---	---	7
8	---	---	0.012E	0.154A	0.074	0	0	0	0	B	---	---	8
9	---	---	0.014E	0.118A	0.071	0	0	0	0	B	---	---	9
10	---	---	0.018E	0.084A	0.038	0	0	0	0	B	---	---	10
11	---	---	0.014E	0.078A	0.021	0	0	0	0	B	---	---	11
12	---	---	0.012E	0.088A	0.018	0	0	0	0	B	---	---	12
13	---	---	0.010E	0.071A	0.018	0	0	0	0	B	---	---	13
14	---	---	0.008E	0.052A	0.015	0	0	0	0	B	---	---	14
15	---	---	0.008E	0.047A	0.011	0	0	0	0	B	---	---	15
16	---	---	0.007E	0.043A	0.010	0	0	0	0	B	---	---	16
17	---	---	0.007E	0.042A	0.008	0	0	0	0	B	---	---	17
18	---	---	0.007E	0.038	0.007	0	0	0	0	B	---	---	18
19	---	---	0.008E	0.031	0.008	0	0	0	0	B	---	---	19
20	---	---	0.008E	0.028	0.008	0	0	0	0	B	---	---	20
21	---	---	0.008E	0.032	0.004	0	0	0	0	B	---	---	21
22	---	---	0.010E	0.018	0.003	0	0	0	0	B	---	---	22
23	---	---	0.020E	0.014	0.002	0	0	0	0	B	---	---	23
24	---	---	0.030E	0.010	0.002	0	0	0	0	B	---	---	24
25	---	---	0.058E	0.008	0.002	0	0	0	0	B	---	---	25
26	---	---	0.054E	0.008	0.001	0	0	0	0	B	---	---	26
27	---	---	0.052E	0.002	0.001	0	0	0	0	B	---	---	27
28	---	---	0.050E	0.003	0.001	0	0	0	0	B	---	---	28
29	---	---	0.048E	0.003	0	0	0	0	0	B	---	---	29
30	---		0.048E	0.003	0	0	0	0	0	B	---	---	30
31	---		0.044E		0		0	0		B		---	31
TOTAL	---	---	0.510	2.551	0.388	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.020	0.085	0.012	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.060	0.375	0.074	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.375E ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 32 50 N
LONG 96 14 55 W
DRAINAGE AREA, 88.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	52.7	SEP	0
APR	220	OCT	0
MAY	31.8	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 305 dam³

SOUTHERN INDIAN LAKE AT MISSI FALLS - STATION NO. 05EC008

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	257.838	---	---	257.082	257.088	257.883	257.955	258.083	258.070	257.898	---	---	1
2	257.827	---	---	257.082	257.100	257.908	257.926	258.083	258.072	257.903	---	---	2
3	257.815	---	---	257.048	257.104	257.885	257.948	258.092	258.081	257.887	---	---	3
4	257.814A	---	---	257.083	257.111	257.862	257.950	258.085	258.087	257.906	---	---	4
5	---	---	---	257.078	257.138	257.884	257.981	258.079	258.089	257.886	---	---	5
6	---	---	---	257.086	257.140	257.847	257.987	258.042	258.088	257.872	---	---	6
7	---	---	---	257.087	257.157	257.878	257.884	258.073	258.031	257.851	---	---	7
8	---	---	---	257.088	257.178	257.721	258.006	258.135	258.008	257.883	---	---	8
9	---	---	---	257.078	257.201	257.762	257.871	258.102	258.000	257.831E	---	---	9
10	---	---	---	257.078	257.218	257.778	258.005	258.080	258.002	257.818E	---	---	10
11	---	---	---	257.073	257.242	257.740	258.023	258.122	258.000	257.853	---	---	11
12	---	---	---	257.083	257.257	257.738	258.020	258.126	258.003	257.872	---	---	12
13	---	---	---	257.086	257.273	257.784	257.881	258.136	258.088E	257.851	---	---	13
14	---	---	257.114A	257.078	257.286	257.803	258.018	258.131	257.890	257.843	---	---	14
15	---	---	257.113	257.080	257.304	257.813	258.023	258.141	257.870	257.886	---	---	15
16	---	---	257.108	257.075	257.321	257.838A	258.033	258.108	257.888	257.880	---	---	16
17	---	---	257.103	257.078	257.338	257.833	258.044	258.130	257.881	257.841	---	---	17
18	---	---	257.094	257.078	257.380	257.844	258.057	258.128	257.848	257.880	---	---	18
19	---	---	257.088	257.078	257.381	257.884	258.061	258.114	257.833	257.841	---	---	19
20	---	---	257.074	257.084	257.393	257.890	258.048	258.101	257.938	257.781	---	---	20
21	---	---	257.070	257.080	257.426	257.874	258.051	258.078	257.830	257.804	---	---	21
22	257.371A	---	257.085	257.084	257.446	257.887	258.071	258.077	257.813	257.783	---	---	22
23	---	---	257.073	257.083	257.452	257.908	258.113	258.115	257.844	257.847	---	---	23
24	---	---	257.062	257.085	257.484	257.908	258.087	258.144	257.878	257.887E	---	---	24
25	---	---	257.088	257.086	257.494	257.922	258.083	258.138	257.838	257.906E	---	---	25
26	---	---	257.084	257.086	257.507	257.931	258.073	258.148E	257.807	257.872E	---	---	26
27	---	---	257.085	257.085	257.513	257.918	258.083	258.088E	257.803	---	---	---	27
28	---	---	257.036	257.084	257.532	257.913	258.070	258.078	257.895	---	---	---	28
29	---	---	257.047	257.081	257.548	257.923	258.088	258.077	257.818	---	---	---	29
30	---		257.058	257.083	257.537	257.947	258.083	258.078	258.011E	---	---	---	30
31	---		257.060		257.558		258.088	258.080		---		---	31
MEAN	--	---	---	257.078	257.324	257.880	258.035	258.100	257.886	---	---	---	MEAN
MAX	---	---	---	257.083	257.558	257.947	258.113	258.148	258.081	---	---	---	MAX
MIN	---	---	---	137.048	257.086	257.883	257.928	258.042	257.886	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 258.148E ON AUG 26
MINIMUM DAILY, 257.036 ON MAR 28

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 16 47 N
LONG 98 09 40 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA, 281 000 km²

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

SOUTHERN INDIAN LAKE AT SOUTH BAY - STATION NO. 05EC003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	256.884	257.030	257.520	257.690	258.003	257.894	257.772	257.649	257.648E	1
2	---	---	257.060A	256.898	257.044	257.544	257.911	257.987	257.887	257.778	257.672	257.661	2
3	---	---	257.045	256.874	257.064	257.560	257.911	257.978	257.880	257.780	257.663	257.647E	3
4	---	---	257.042	256.892	257.064	257.591	257.921	257.978	257.885	257.782	257.656	257.644	4
5	---	---	257.037	256.886	257.068	257.610	257.921	257.972	257.890	257.740	257.643	257.638	5
6	---	---	257.035	256.891	257.078	257.628	257.926	257.984	257.842	257.788	257.643	257.638	6
7	---	---	257.026	256.899	257.083	257.664	257.928	256.027	257.838	257.788	257.642	---	7
8	---	---	257.031	257.005	257.116	257.668	257.945	256.012	257.848	257.781	257.641	---	8
9	---	---	257.030	257.010	257.137	257.670	257.967	256.028	257.880	257.786	257.636	---	9
10	---	---	257.023	257.008	257.152	257.683	257.975	256.066	257.842	257.780	257.630	---	10
11	---	---	257.013	257.004	257.172	257.710	257.973	256.052	257.828	257.784	257.626	---	11
12	---	---	257.004	257.002	257.184	257.728	257.962	256.051	257.800	257.718	257.626	---	12
13	---	---	257.001	257.004	257.211	257.736	257.966	256.050	257.888	257.738A	257.627	---	13
14	---	---	256.987	257.012	257.234	257.736	257.978	256.063	257.898	257.741	257.621	---	14
15	---	---	256.984	257.012	257.243	257.740	257.976	256.090	257.894	257.732	257.611	---	15
16	---	---	256.985	257.024	257.260	257.739	257.984	256.085	257.877	257.763	257.597	---	16
17	---	---	256.987	257.044	257.274	257.766	257.980	256.059	257.894	257.736	257.600	---	17
18	---	---	256.983	257.011	257.286	257.776	257.987	256.055	257.881	257.720	257.602E	---	18
19	---	---	256.980	257.011	257.306	257.785	258.004	256.056	257.887	257.718	257.598E	---	19
20	---	---	256.978	257.012	257.327	257.812	258.002	256.048	257.886	257.736	257.593E	---	20
21	---	---	256.976	257.017	257.348	257.832	256.004	256.036	257.837	257.737	257.588E	---	21
22	---	---	256.973	257.020	257.370	257.835	257.999	256.032	257.844	257.710	257.583	---	22
23	---	---	256.976	257.022	257.388	257.837	257.992	256.036	257.837	257.738	257.583	---	23
24	---	---	256.981	257.023	257.406	257.847	257.986	256.031	257.826	257.760	257.577	---	24
25	257.241A	---	256.977	257.016	257.421	257.857	257.999	256.043	257.828	257.736	257.568	---	25
26	257.242A	---	256.985	257.030	257.441	257.871	257.995	256.040	257.823	257.714	257.562E	---	26
27	257.238A	---	256.983	257.035	257.458	257.883	257.992	256.068	257.819	257.710	257.557E	---	27
28	257.237A	---	256.988	257.032	257.486	257.884	257.995	256.025	257.800	257.694	257.552E	---	28
29	257.231A	---	256.972	257.026	257.491	257.900	256.000	256.000	257.763	257.680	257.547E	---	29
30	---		256.986	257.027	257.502	257.878	257.992	257.984	257.770	257.688	257.545E	---	30
31	---		256.980		257.506		257.990	257.984		257.684		---	31
MEAN	---	---	---	257.007	257.283	257.742	257.973	256.038	257.891	257.735	257.606	---	MEAN
MAX	---	---	---	257.028	257.506	257.884	258.004	258.005	257.957	257.788	257.683	---	MAX
MIN	---	---	---	256.884	257.030	257.520	257.690	257.972	257.770	257.684	257.545	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 258.085 ON AUG 19
MINIMUM DAILY, 256.880 ON MAR 31
MAXIMUM INSTANTANEOUS,
258.089 AT 05:17 CST ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 51 N
LONG 99 01 11 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

SOUTHERN INDIAN LAKE NEAR OPACHUANAU LAKE - STATION NO. 05EC007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	97.238	97.101	98.884	97.080	97.882	97.878	98.028	98.018	97.851	97.884	---	1
2	---	97.233	97.093	98.892	97.082	97.877	97.878	98.013	98.013	97.841	97.898	---	2
3	---	97.224	97.093	97.008	97.072	97.881	97.872	97.880	98.020	97.843	97.718	---	3
4	---	97.211	97.084	97.018	97.076	97.831	97.872	98.001	98.005	97.782	97.682	---	4
5	---	97.218	97.088	97.003	97.087	97.852	97.878	97.884	97.884	97.809	97.688	---	5
6	---	97.217	97.084	97.013	97.101	97.884	97.878	97.886	97.872	97.814	97.677	---	6
7	---	97.204	97.080	97.023	97.113	97.701	97.858	98.032	97.882	97.823	97.687	---	7
8	97.283A	97.206	97.083	97.030	97.134	97.886	97.858	98.011	98.018	97.787	97.676	---	8
9	97.283	97.181	97.082	97.026	97.164	97.891	97.867	98.004	98.003	97.783	97.655	---	9
10	97.341	97.182	97.088	97.031	97.178	97.886	97.911	98.009	97.882	97.810	97.685	---	10
11	97.338	97.184	97.080	97.037	97.186	97.761	97.838	98.071	97.872	97.788	97.680	---	11
12	97.338	97.168	97.068	97.018	97.218	97.787	97.903	98.072	97.882	97.748	97.651	---	12
13	97.325	97.168	97.048	97.022	97.242	97.748	97.883	98.070	97.887	97.767	97.643	---	13
14	97.330	97.176	97.045	97.034	97.262	97.748	97.913	98.081	97.880	97.781	97.638	---	14
15	97.334	97.182	97.038	97.038	97.282	97.780	97.908	98.081	97.882	97.788	97.632	---	15
16	97.328	97.173	97.035	97.050	97.281	97.742	97.908	98.118	97.888	97.784	97.629A	---	16
17	97.328	97.171	97.022	97.028	97.307	97.781	97.906	98.072	97.827	97.778	---	---	17
18	97.318	97.186	97.020	97.038	97.318	97.788	97.907	98.071	97.827	97.742	---	---	18
19	97.306	97.163	97.018	97.038	97.336	97.808	97.885	98.064	97.830	97.744	---	---	19
20	97.313	97.143	97.023	97.034	97.381	97.818	97.881	98.068	97.886	97.838	---	---	20
21	97.318	97.147	97.026	97.028	97.377	97.882	97.884	98.081	97.878	97.788	---	---	21
22	97.303	97.137	97.010	97.037	97.394	97.840	97.880	98.084	97.888	97.783	---	---	22
23	97.308	97.132	97.017	97.048	97.411	97.868	97.920	98.080	97.884	97.784	---	---	23
24	97.284	97.118	97.016	97.044	97.438	97.872	98.001	98.028	97.848	97.787	---	---	24
25	97.277	97.128	97.007	97.042	97.448	97.883	98.017	98.081	97.858	97.732	---	---	25
26	97.277	97.118	98.988	97.048	97.472	97.871	98.008	98.042	97.871	97.716	---	---	26
27	97.272	97.132	97.001	97.048	97.488	97.871	98.002	98.074	97.882	97.888	---	---	27
28	97.288	97.118	97.007	97.047	97.508	97.873	98.008	98.028	97.842	97.887	---	---	28
29	97.284	97.108	98.988	97.080	97.523	97.874	98.018	98.011	97.813	97.881	---	---	29
30	97.286		98.988	97.058	97.883	97.878	98.003	98.012	97.818	97.702	---	---	30
31	97.283		98.982		97.882		98.003	97.988		97.883		---	31
MEAN	---	97.172	97.041	97.031	97.289	97.783	97.918	98.049	97.834	97.788	---	---	MEAN
MAX	---	97.238	97.101	97.080	97.883	97.878	98.018	98.118	98.020	97.851	---	---	MAX
MIN	---	97.108	98.988	98.982	97.080	97.882	97.883	97.880	97.813	97.881	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 98.118 ON AUG 16
MINIMUM DAILY, 98.988 ON MAR 30
MAXIMUM INSTANTANEOUS,
98.165 AT 08:10 CST ON AUG 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 47 00 N
LONG 99 31 00 W

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
261 000 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE - STATION NO. 05EC001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	257.349	257.188	257.053	256.948	257.024	257.515	257.871	257.953	257.988	---	---	---	1
2	257.344	257.184	257.045	256.947	257.034	257.524	257.886	257.978	257.988	---	---	---	2
3	257.343	257.178	257.044	256.985	257.038	257.535	257.893	257.988	257.988	---	---	---	3
4	257.338	257.182	257.041	256.970	257.039	257.552	257.894	257.988	257.981	---	---	---	4
5	257.328	257.181	257.040	256.987	257.054	257.597	257.898	257.988	257.941	---	---	---	5
6	257.323	257.181	257.038	256.973	257.069	257.611	257.907	257.988	257.933	---	---	---	6
7	257.321	257.182	257.027	256.980	257.090	257.624	257.915	258.017	257.930	---	---	---	7
8	257.313	257.180	257.038	256.984	257.110	257.638	257.922	258.068	257.930A	---	---	---	8
9	257.304	257.140	257.038	256.988	257.128	257.650	257.883	258.013	---	---	---	---	9
10	257.302	257.128	257.018	256.988	257.150	257.666	257.951	258.038	---	---	---	---	10
11	257.281	257.128	257.004	256.982	257.189	257.687	257.951	258.041	---	---	---	---	11
12	257.280	257.131	257.003	256.990	257.184	257.701	257.956	258.040	---	---	---	---	12
13	257.280	257.133	256.996	256.994	257.207	257.706	257.956	258.042	---	---	---	---	13
14	257.278	257.118	256.986	256.994	257.220	257.720	257.950	258.044	---	---	---	---	14
15	257.279	257.113	256.981	256.996	257.233	257.725	257.953	258.048	---	---	---	---	15
16	257.280	257.116	256.978	257.008	257.248	257.729	257.952	258.035	---	---	---	---	16
17	257.280	257.112	256.972	256.994	257.257	257.743	257.959	258.042	---	---	---	---	17
18	257.273	257.112	256.969	256.995	257.286	257.746	257.971	258.042	---	---	---	---	18
19	257.265	257.089	256.964	257.000	257.297	257.763	257.983	258.036	---	---	---	---	19
20	257.257	257.082	256.959	256.995	257.320	257.787	257.980	258.034	---	---	---	---	20
21	257.252	257.085	256.957	257.004	257.340	257.788	257.981	258.021	---	---	---	---	21
22	257.254	257.082	256.954	257.005	257.352	257.805	257.982	258.021	---	---	---	---	22
23	257.251	257.074	256.953	257.007	257.380	257.809	257.981	258.018	---	---	---	---	23
24	257.240	257.072	256.950	257.002	257.393	257.822	257.979	258.008	---	---	---	---	24
25	257.231	257.071	256.959	257.008	257.412	257.837	257.974	258.017	---	---	---	---	25
26	257.230	257.072	256.949	257.008	257.431	257.852	257.974	258.008	---	---	---	---	26
27	257.220	257.068	256.947	257.008	257.446	257.858	257.973	258.031	---	---	---	---	27
28	257.220	257.068	256.948	257.008	257.467	257.861	257.978	257.997	---	---	---	---	28
29	257.217	257.057	256.952	257.015	257.470	257.861	257.978	257.974	---	---	---	---	29
30	257.200		256.951	257.020	257.467	257.858	257.970	257.970	---	---	---	---	30
31	257.197		256.941		257.500		257.977	257.884				---	31
MEAN	257.278	257.118	256.988	256.991	257.253	257.722	257.951	258.011	---	---	---	---	MEAN
MAX	257.349	257.188	257.053	257.020	257.500	257.861	257.983	258.068	---	---	---	---	MAX
MIN	257.197	257.057	256.941	256.947	257.024	257.515	257.871	257.884	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 258.068 ON AUG 18
MINIMUM DAILY, 256.941 ON MAR 31
MAXIMUM INSTANTANEOUS,
258.085 AT 10:50 CST ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 44 N
LONG 98 58 20 W

A - MANUAL GAUGE

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

SPLIT LAKE AT SPLIT LAKE - STATION NO. 05UF003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.337	187.287	187.2154	186.867	186.223	186.412	186.865	186.686	186.612	186.972	186.152	186.725	1
2	187.362	187.288	187.2158	186.852	186.341	186.437	186.841	186.670	186.600	186.955	186.190	186.722	2
3	187.382	187.307	187.2184	186.476	186.476	186.457	186.957	186.684	186.784	186.925	186.211	186.719	3
4	187.383	187.310	187.2234	186.425	186.562	186.429	186.958	186.670	186.776	186.934	186.200	186.783	4
5	187.371	187.323	187.2405	186.403	186.620	186.389	186.946	186.685	186.780	186.978	186.197	186.759	5
6	187.338	187.338	187.1982	186.378	186.670	186.337	186.908	186.657	186.603	186.005	186.228	186.699	6
7	187.312	187.361	187.1961	186.332	186.698	186.318	186.918	186.620	186.618	186.002	186.267	186.652	7
8	187.282	187.360	187.1117	186.328	186.785	186.336	186.971	186.637	186.625	186.984	186.294	186.662E	8
9	187.282	187.349	187.0988	186.352	186.853	186.364	186.937	186.645	186.634	186.986	186.332	186.686E	9
10	187.311	187.339	187.0988	186.337	186.898	186.378	186.928	186.649	186.633	186.949	186.364	186.850E	10
11	187.313	187.338	187.0988	186.302	186.941	186.311	186.931	186.657	186.628	186.954	186.384	186.841	11
12	187.300	187.361	187.0118	186.278	186.898	186.288E	186.907	186.648	186.634	186.972	186.378	186.692	12
13	187.266	187.357	186.9988	186.268	186.883	186.312E	186.850	186.648	186.658	186.983	186.388	186.686	13
14	187.242	187.342	186.9861	186.258	186.891	186.318	186.889	186.691	186.656	186.980	186.363	186.689	14
15	187.219	187.322	186.9861	186.238	186.971	186.278	186.847	186.671	186.666	187.020	186.384	186.725	15
16	187.217	187.332	186.9463	186.201	186.944	186.288	186.878	186.675	186.699	186.958	186.357	186.750	16
17	187.221	187.326	186.9220	186.207	186.917	186.277	186.886	186.698	186.696	186.964	186.353	186.741	17
18	187.236	187.305	186.9114	186.201	186.912	186.237	186.906	186.698	186.680	186.987	186.389	186.728	18
19	187.256	187.274	186.9119	186.181	186.906	186.234	186.912	186.706	186.658	186.950	186.372	186.728	19
20	187.262	187.256	186.9117	186.156	186.917	186.226	186.897	186.688	186.690	186.997	186.382	186.762	20
21	187.303	187.250	186.9086	186.138	186.896	186.187	186.889	186.629	186.917	186.950	186.391	186.803	21
22	187.335	187.241	186.8886	186.116	186.780	186.188	186.861	186.614	186.913	186.936	186.397	186.856	22
23	187.329	187.247	186.8822	186.104	186.672E	186.146	186.864	186.613	186.858	186.104	186.430	186.873	23
24	187.322	187.277	186.7863	186.107	186.620E	186.084	186.857	186.615	186.976	186.122	186.462	186.893	24
25	187.314	187.307	186.7815	186.111	186.598E	186.094	186.880	186.644	186.978	186.137	186.490	186.918	25
26	187.325	187.315	186.7413	186.116	186.610E	186.088	186.879	186.658	186.971	186.146	186.598	186.946	26
27	187.331	187.296	186.7066	186.121	186.670E	186.034	186.873	186.644	186.963	186.134	186.722	186.937A	27
28	187.329	187.274	186.6919	186.116	186.678E	186.018	186.884	186.634	186.972	186.128	186.784	---	28
29	187.312	187.269	186.7227	186.109	186.663E	186.085	186.843	186.643	186.978	186.148	186.728	---	29
30	187.301		186.6913	186.147	186.674E	186.980	186.845	186.643	186.989	186.170	186.705	---	30
31	187.287		186.8418		186.400E		186.885	186.629		186.157		---	31
MEAN	187.304	187.309	186.9861	186.255	186.703	186.248	186.900	186.653	186.878	186.037	186.393	---	MEAN
MAX	187.382	187.361	187.2158	186.867	186.991	186.457	186.985	186.909	186.988	186.170	186.784	---	MAX
MIN	187.217	187.241	186.8418	186.104	186.223	186.980	186.843	186.613	186.778	186.925	186.152	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 187.382 ON JAN 3
MINIMUM DAILY, 186.778 ON SEP 4
MAXIMUM INSTANTANEOUS,
187.384 AT 07:20 CST ON JAN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 43 N
LONG 98 05 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1960

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

ST. MALO LAKE NEAR ST. MALO - STATION NO. 05OE003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.029	256.016	256.013	256.026	---	256.060	---	256.632	256.718	256.620	255.594	255.588	1
2	256.026	256.016	256.013	256.040	---	256.060	---	256.628	256.714	256.620	255.594	255.588	2
3	256.027	256.016	256.013	256.060	---	256.057	---	256.625	256.710	256.616	255.594	255.587	3
4	256.026	256.016	256.013	256.124	---	256.051	---	256.620	256.705	256.614	255.594	255.588	4
5	256.024	256.017	256.013	256.110	---	256.048	---	256.618	256.701	256.613	255.594	255.588	5
6	256.022	256.016	256.017	256.088	---	256.039	---	256.604	256.694	256.612	255.594	255.588	6
7	256.022	256.016	256.023	256.066	---	256.034	---	256.702	256.685	256.609	255.594	255.588	7
8	256.021	256.016	256.030	256.057	---	256.027	---	256.788	256.678	256.607	255.594	255.587	8
9	256.022	256.016	256.030	256.103	---	256.018	---	256.776	256.686	256.604	255.592	255.588	9
10	256.022	256.016	256.036	256.108	---	256.017	---	256.772	256.681	256.602	255.592	255.588	10
11	256.021	256.016	256.040	256.117	---	256.013	---	256.765	256.680	256.603	255.591	255.588	11
12	256.021	256.016	256.037	256.127	---	256.008	256.008A	256.762	256.680	256.601	255.591	255.588	12
13	256.020	256.014	256.023	256.136	---	256.008	256.017	256.758	256.680	256.600	255.591	255.588	13
14	256.019	256.014	256.031	256.142	---	256.008	256.015	256.758	256.658	256.600	255.591	255.589	14
15	256.018	256.013	256.030	256.142	---	256.016	256.013	256.756	256.680	256.599	255.590	255.588	15
16	256.018	256.014	256.028	256.143	---	256.018	256.008	256.748	256.680	256.598	255.590	255.590	16
17	256.018	256.015	256.028	256.137	---	256.013	256.004	256.747	256.681	256.598	255.590	255.591	17
18	256.020	256.016	256.026	256.132	---	256.011A	256.001	256.748	256.681	256.597	255.590	255.592	18
19	256.020	256.017	256.026	256.123	256.078A	---	255.998	256.748	256.658	256.598	255.591	255.592	19
20	256.019	256.016	256.026	256.117A	256.082	---	255.996	256.744	256.680	256.598	255.591	255.593	20
21	256.018	256.016	256.026	---	256.081	---	255.994	256.778	256.658	256.596	255.591	255.593	21
22	256.018	256.016	256.024	---	256.082	---	255.993	256.773	256.656	256.596	255.592	255.593	22
23	256.018	256.015	256.023	---	256.077	---	255.991	256.766	256.656	256.596	255.591	255.593	23
24	256.020	256.015	256.026	---	256.071	---	255.978	256.760	256.650	256.595	255.591	255.593	24
25	256.020	256.015	256.034	---	256.064	---	255.988	256.766	255.646A	256.595	255.590	255.594	25
26	256.019	256.014	256.031	---	256.059	---	255.983	256.748	256.627E	256.594	255.589	255.595	26
27	256.018	256.015	256.029	---	256.059	---	255.984	256.738	256.628E	256.595	255.589	255.593	27
28	256.018	256.015	256.026	---	256.061	---	255.949	256.735	256.620A	256.594	255.588	255.593	28
29	256.018	256.016	256.026	---	256.064	---	255.940	256.733	256.621	256.594	255.588	255.595	29
30	256.018		256.026	---	256.061	---	255.938	256.731	256.621	256.595	255.589	255.595	30
31	256.018		256.026		256.059		255.934	256.725		256.595		255.596	31
MEAN	256.021	256.016	256.026	---	---	---	---	256.776	256.684	256.602	255.591	255.591	MEAN
MAX	256.029	256.019	256.040	---	---	---	---	256.632	256.718	256.620	255.594	255.588	MAX
MIN	256.018	256.013	256.013	---	---	---	---	256.725	256.620	256.594	255.588	255.588	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 256.143 ON APR 16
MINIMUM DAILY, 255.588 ON DEC 7
MAXIMUM INSTANTANEOUS,
256.143 AT 09:43 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 06 N
LONG 98 58 13 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1969

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM 1928 ADJUSTMENT

REMARKS - PRIOR TO 1988, PUBLISHED AS "ST. MALO RESERVOIR"

STE. ROSE RESERVOIR NEAR STE. ROSE - STATION NO. 05LJ010

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	284.814E	284.648	284.609	---	282.592E	284.671	284.701	---	284.373E	284.700E	284.476E	284.603E	1
2	284.809E	284.643E	284.602E	---	282.699	284.668E	284.698E	---	284.363E	284.758E	284.553	284.603	2
3	284.804E	284.637E	284.598E	---	283.188	284.661	284.636E	---	284.353	284.613	284.678E	284.602E	3
4	284.799	284.631E	284.589	---	282.649	284.654E	284.601	---	284.338E	284.623E	284.603	284.601E	4
5	284.787E	284.626E	284.909E	---	282.748E	284.648E	284.691E	---	284.223	284.633	284.610E	284.798E	5
6	284.788E	284.619	284.629E	---	282.649	284.641	284.581	---	284.303E	284.633E	284.618E	284.796	6
7	284.794	284.616E	284.649	---	282.656E	284.631E	284.578E	---	284.283	284.633E	284.623	284.798E	7
8	284.788E	284.612E	284.699E	---	282.662E	284.621	284.571	---	284.263E	284.633	284.628E	284.796E	8
9	284.778E	284.609	284.749	---	282.669	284.618E	284.908E	---	284.223	284.628E	284.633	284.793	9
10	284.768E	284.609E	284.778E	---	282.664E	284.614E	284.944E	---	284.210E	284.620E	284.630E	284.793E	10
11	284.758	284.609E	284.809	---	282.639	284.611	284.661	---	284.198E	284.613	284.628E	284.793E	11
12	284.762E	284.609	284.818E	---	282.632E	284.621E	284.681E	283.380	284.183	284.613	284.623	284.793E	12
13	284.748E	284.602E	284.822E	---	282.626E	284.631	284.681	283.256E	284.183E	284.608E	284.628E	284.793	13
14	284.739	284.594E	284.828	---	282.618	284.631E	284.676E	283.126E	284.143	284.603	284.630E	284.793E	14
15	284.734E	284.586E	284.824E	---	282.609E	284.631	284.671	283.001E	284.128E	---	284.633	284.793E	15
16	284.729E	284.578	284.819	---	282.599	284.631E	284.681E	282.878	284.113	---	284.628E	284.793E	16
17	284.724E	284.570E	284.814E	---	282.584E	284.631	284.691E	282.842E	284.108E	---	284.623	284.793	17
18	284.719	284.578E	284.809	282.487	282.629	284.621E	284.701	282.810	284.100E	---	284.623E	284.793E	18
19	284.717E	284.579	284.607E	282.456E	282.516E	284.611E	284.688E	282.815E	284.093	---	284.623	284.793E	19
20	284.714E	284.574E	284.606E	282.428	282.502E	284.601	284.669	282.820	284.138E	282.875	284.623E	284.793	20
21	284.712E	284.568E	284.603	282.418E	282.489	284.788E	284.631E	282.745E	284.183	282.380	284.633	284.793E	21
22	284.709	284.564E	284.613E	282.409	282.464E	284.781	284.593	282.670	284.233E	---	284.603	284.793E	22
23	284.698E	284.559	284.623	282.416E	282.479	284.786E	284.656E	283.332E	284.263	---	284.603E	284.793E	23
24	284.688E	284.572E	284.632E	282.422E	283.013E	284.781	284.620E	283.993	284.288E	---	284.603E	284.793	24
25	284.679E	284.584E	284.643	282.429	283.647E	284.774E	284.483	284.133E	284.298E	---	284.603E	284.798E	25
26	284.669	284.587E	284.678E	282.439E	284.081	284.768E	284.418E	284.273	284.293	283.983	284.603	284.788E	26
27	284.664E	284.609	284.698E	282.449	284.481E	284.761	284.353	284.288E	284.388E	284.083E	284.603E	284.782	27
28	284.659	284.609E	284.938	282.414E	284.881	284.748E	284.253E	284.298E	284.443	284.203	284.603	284.783E	28
29	284.657E	284.609E	---	282.379	284.886E	284.731	284.153	284.253	284.543E	284.278E	284.603E	284.783E	29
30	284.654E		---	282.486E	284.881	284.718E	---	284.318E	284.643	284.338E	284.603E	284.783	30
31	284.652E		---		284.881E		---	284.383		284.403		284.783E	31
MEAN	284.733	284.600	---	---	283.075	284.610	---	---	284.288	---	284.782	284.783	MEAN
MAX	284.814	284.649	---	---	284.881	284.671	---	---	284.643	---	284.633	284.802	MAX
MIN	284.652	284.559	---	---	282.478	284.718	---	---	284.083	---	284.478	284.783	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 03 00 N
LONG 98 31 48 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1966

DRAINAGE AREA,
1 110 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1988, PUBLISHED AS "TURTLE RIVER ABOVE STE. ROSE DU LAC DAM"

STEEPROCK RIVER NEAR MAPEKING - STATION NO. 05LF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8508	0.9888	83.0 A	4.708	3.85	1.44	1.82	1.73	---	---	1
2	---	---	0.8508	1.18 B	80.0	4.238	3.89	1.82	1.47	1.81	---	---	2
3	---	---	0.8508	1.38 B	31.8	3.98E	3.89	1.89	1.41	1.88	---	---	3
4	---	---	0.8508	1.88 B	34.3	3.84E	3.82	1.49	1.35	1.83	---	---	4
5	---	---	0.8508	1.82 B	31.7	3.34E	3.48	1.40	1.31	1.87	---	---	5
6	---	---	0.8508	1.88 B	31.0	3.08A	3.80	1.34	1.38	1.42	---	---	6
7	---	---	0.8728	1.84 B	30.8	3.80	3.84	1.32	1.33	1.37	---	---	7
8	---	---	0.7148	1.42 B	28.3	3.80	2.87	1.31	1.31	1.33	---	---	8
9	---	---	0.7588	1.33 B	27.2	3.02	2.40	1.27	1.21	1.28	---	---	9
10	---	---	0.7988	1.26 B	26.0	3.29	2.28	1.25	1.15	1.23	---	---	10
11	---	---	0.8408	1.18 B	23.0	3.83	2.19	1.22	1.13	1.23	---	---	11
12	---	---	0.8488	1.27 B	21.3	3.38	2.18	1.27	1.13	1.31	---	---	12
13	---	---	0.8488	1.35 B	19.2	3.35	2.20	1.28	1.08	1.18	---	---	13
14	---	---	0.8488	1.42 B	18.4	3.18	2.33	1.18	1.04	1.15	---	---	14
15	---	---	0.8488	1.43 B	17.8	3.24	3.03	1.14	1.02	1.13	---	---	15
16	---	---	0.8488	1.38 B	14.2	3.17	2.78	1.18	1.02	1.10	---	---	16
17	---	---	0.8488	1.32 B	13.8	3.07	2.85	1.24	1.13	1.10	---	---	17
18	---	---	0.8488	1.27 B	13.8	3.04	3.38	1.21	1.27	1.08	---	---	18
19	---	---	0.8488	1.30 B	12.8	3.03	3.80	1.22	1.18	1.07	---	---	19
20	---	---	0.8488	1.15 B	11.1	2.94	3.71	1.24	1.24	1.08	---	---	20
21	---	---	0.8488	1.13 B	11.1	2.88	3.83	1.43	1.37	1.07	---	---	21
22	---	---	0.8908	1.10 B	9.22	2.82	2.38	1.43	1.45	1.06	---	---	22
23	---	---	0.9328	1.12 B	8.18	2.88	3.21	1.48	1.48	1.04	---	---	23
24	---	---	0.9328	1.18 B	7.38	2.91	3.08	1.40	1.45	0.948	---	---	24
25	---	---	0.9328	1.28 B	6.87	2.88	1.98	1.28	1.00	0.9328	---	---	25
26	---	---	0.9328	1.38 B	6.82	2.77	1.88	1.48	1.82	0.9278	---	---	26
27	---	---	0.9328	1.81 B	6.38	2.73	1.90	1.88	1.88	0.9218	---	---	27
28	---	---	0.9328	1.81 B	5.87	2.74	1.71	1.87	1.88	0.9188	---	---	28
29	---	---	0.9328	5.88 A	5.78	2.72	1.63	1.84	1.88	0.9108	---	---	29
30	---		0.9328	22.1	5.48A	2.88	1.87	1.88	1.87	0.9058	---	---	30
31	---		0.9328		5.07E		1.83	1.87		0.8998		---	31
TOTAL	---	---	25.436	86.639	548.83	94.88	74.88	43.43	40.84	38.488	---	---	TOTAL
MEAN	---	---	0.821	2.29	17.7	3.16	2.47	1.40	1.35	1.17	---	---	MEAN
MAX	---	---	0.932	22.1	83.0	4.70	3.84	1.88	1.88	1.73	---	---	MAX
MIN	---	---	0.850	0.988	5.07	2.88	1.83	1.14	1.02	0.898	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.81
MAXIMUM DAILY, 83.0A ON MAY 1
MINIMUM DAILY, 0.850B ON MAR 1
MAXIMUM INSTANTANEOUS,
77.7E AT 18:48 CST ON MAY 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 43 40 N
LONG 101 06 48 W
DRAINAGE AREA, 301 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 480
FEB	---	AUG	3 780
MAR	2 200	SEP	3 510
APR	5 030	OCT	3 180
MAY	47 400	NOV	---
JUN	8 200	DEC	---

TOTAL DISCHARGE, 80 600 dam³

STEPHENFIELD LAKE NEAR STEPHENFIELD - STATION NO. 05GF005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	295.721	295.893	295.884	295.343	295.024	294.841	294.374	294.248	294.178	1
2	---	---	---	295.778	295.884	295.889	295.328	295.018	294.826	294.370	294.240	294.177	2
3	---	---	---	295.883	295.701	295.888	295.308	295.000	294.823	294.378	294.233	294.189	3
4	---	---	---	295.824	295.699	295.878	295.288	294.980	294.809	294.370	294.227	294.186	4
5	---	---	---	295.818	295.702	295.874	295.288	294.968	294.481	294.383	294.223	294.185	5
6	---	---	---	295.903	295.704	295.883	295.281	294.963	294.488	294.388	294.222	294.189	6
7	---	---	294.895A	295.878	295.717	295.858	295.290	294.938	294.477	294.363	294.221	294.180	7
8	---	---	294.872	295.846	295.755	295.842	295.273	294.902	294.468	294.347E	294.219	294.188	8
9	---	---	295.028	295.818	295.809	295.823	295.260	294.884	294.454	294.341E	294.212	294.180	9
10	---	---	295.088	295.797	295.813	295.814	295.240	294.870	294.423	294.338E	294.208	294.147	10
11	---	---	295.153	295.781	295.812	295.805	295.239	294.848	294.617	294.334E	294.210	294.141	11
12	---	---	295.228	295.787	295.812	295.880	295.224	294.831	294.445	294.332E	294.210	294.143	12
13	---	---	295.308	295.748	295.800	295.880	295.239	294.822	294.445	294.330E	294.208	294.138	13
14	---	---	295.385	295.738	295.785	295.880	295.228	294.811	294.4[illegible]	294.324E	294.203	294.127	14
15	---	---	295.389	295.733	295.782	295.897	295.223	294.801	294.[illegible]	294.327E	294.212	294.124	15
16	---	---	295.423	295.729	295.757	295.885	295.210	294.788	294.435	294.329E	294.218	294.109	16
17	---	---	295.447	295.717	295.749	295.859	295.198	294.788	294.433	294.322E	294.215	294.101	17
18	---	---	295.466	295.717	295.744	295.852	295.184	294.782	294.428	294.319E	294.217	294.103	18
19	---	---	295.492	295.715	295.731	295.841	295.168	294.760	294.425	294.318E	294.212	294.099	19
20	---	---	295.510	295.712	295.726	295.823	295.168	294.731	294.424	294.310E	294.208	294.100	20
21	---	---	295.524	295.713	295.722	295.811	295.167	294.718	294.423	294.308E	294.208	294.092	21
22	---	---	295.539	295.708	295.715	295.493	295.158	294.704	294.421	294.300E	294.198	294.092	22
23	---	---	295.553	295.708	295.709	295.475	295.148	294.680	294.411	294.295E	294.202	294.087	23
24	---	---	295.564	295.704	295.704	295.469	295.125	294.665	294.403	294.290E	294.201	294.080	24
25	---	---	295.703	295.698	295.708	295.450	295.114	294.637	294.398	294.284E	294.194	294.073	25
26	---	---	295.729	295.697	295.700	295.433	295.103	294.617	294.393	294.277E	294.181	294.067	26
27	---	---	295.728	295.698	295.700	295.418	295.080	294.603	294.388	294.272E	294.188	294.070	27
28	---	---	295.731	295.699	295.688	295.400	295.081	294.590	294.388	294.268E	294.188	294.084	28
29	---	---	295.726	295.695	295.692	295.388	295.088	294.583	294.380	294.261E	294.173	294.084	29
30	---	---	295.718	295.694	295.688	295.383	295.048	294.574	294.378	294.257E	294.188	294.084	30
31	---	---	295.717		295.685		295.040	294.568		294.282E		294.080	31
MEAN	---	---	---	295.761	295.732	295.888	295.187	294.788	294.440	294.318	294.208	294.115	MEAN
MAX	---	---	---	295.824	295.813	295.888	295.342	295.024	294.841	294.378	294.248	294.177	MAX
MIN	---	---	---	295.694	295.685	295.383	295.040	294.568	294.378	294.253	294.188	294.080	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 295.924 ON APR 4

MAXIMUM INSTANTANEOUS,
295.937 AT 16:32 CST ON APR 4

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO 1988, PUBLISHED AS "STEPHENFIELD RESERVOIR"

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 37 N
LONG 98 16 49 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1994

STONY CREEK NEAR BROOMHILL - STATION NO. 05NS010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---	---	0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 AT 00:01 CST ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 52 N
LONG 101 05 54 W
DRAINAGE AREA, 478 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

STONY CREEK NEAR NEEPAWA - STATION NO. 05LL008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.13 B	0.123	0.108	0	0	0	0.020	---	---	1
2	---	---	0 B	2.11 B	0.335	0.083	0	0	0	0.015	---	---	2
3	---	---	0 B	3.10 E	0.304	0.068	0	0	0	0.018	---	---	3
4	---	---	0 B	2.72 E	0.200	0.058	0	0	0	0.011	---	---	4
5	---	---	0 B	2.34 A	0.188	0.048	0	0	0	0.008	---	---	5
6	---	---	0 B	3.08	0.235	0.033	0	0	0	0.008	---	---	6
7	---	---	0 B	1.64	0.251	0.022	0.008	0	0	0.010	---	---	7
8	---	---	0 B	1.22	0.288	0.018	0.004	0	0	0.013	---	---	8
9	---	---	0 B	0.883	0.214	0.015	0.003	0	0	0.013	---	---	9
10	---	---	0 B	0.774	0.181	0.012	0.002	0	0	0.010	---	---	10
11	---	---	0 B	0.646	0.145	0.011	0.001	0	0	0.012	---	---	11
12	---	---	0 B	0.519	0.130	0.008	0.001	0	0	0.015	---	---	12
13	---	---	0 B	0.343	0.131	0.004	0.001	0	0	0.020	---	---	13
14	---	---	0 B	0.211	0.135	0.004	0.002	0	0	0.027	---	---	14
15	---	---	0 B	0.169	0.121	0.003	0.002	0	0	0.020	---	---	15
16	---	---	0 B	0.183	0.118	0.001	0.001	0	0	0.014	---	---	16
17	---	---	0 B	0.147	0.113	0	0	0	0	0.017	---	---	17
18	---	---	0 B	0.128	0.107	0	0	0	0	0.022	---	---	18
19	---	---	0.0018	0.111	0.110	0	0	0	0	0.033	---	---	19
20	---	---	0.0048	0.103	0.110	0	0	0	0	0.017	---	---	20
21	---	---	0.0298	0.088	0.102	0	0	0	0	0.014	---	---	21
22	---	---	0.0798	0.086	0.086	0	0	0	0	0.015	---	---	22
23	---	---	0.0828	0.084	0.086	0	0	0	0	0.017	---	---	23
24	---	---	0.1148	0.093	0.078	0	0	0	0	0.015	---	---	24
25	---	---	0.1838	0.089	0.078	0	0	0	0	0.015	---	---	25
26	---	---	0.1568	0.084	0.088	0	0	0	0.003A	0.014	---	---	26
27	---	---	0.1368	0.080	0.084	0	0	0	0.004A	0.0148	---	---	27
28	---	---	0.1438	0.082	0.081	0	0	0	0.012	0.0168	---	---	28
29	---	---	0.1208	0.081	0.087	0	0	0	0.018	0.0208	---	---	29
30	---		0.1038	0.088	0.181	0	0	0	0.028	0.0238	---	---	30
31	---		0.1388		0.130		0	0		0.0258		---	31
TOTAL	---	---	1.273	21.302	4.478	0.488	0.032	0	0.084	0.501	---	---	TOTAL
MEAN	---	---	0.041	0.710	0.144	0.016	0.001	0	0.002	0.016	---	---	MEAN
MAX	---	---	0.183	3.10	0.335	0.108	0.008	0	0.038	0.027	---	---	MAX
MIN	---	---	0	0.080	0.081	0	0	0	0	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.118
MAXIMUM DAILY, 3.10E ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 55 N
LONG 99 34 00 W
DRAINAGE AREA, 183 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.90
FEB	---	AUG	0
MAR	110	SEP	8.53
APR	1 840	OCT	43.3
MAY	387	NOV	---
JUN	42.2	DEC	---

TOTAL DISCHARGE, 2 430 dam³

REMARKS - PRIOR TO 1988, PUBLISHED AS "NEEPAWA CREEK"

STURGEON CREEK AT ST. JAMES - STATION NO. 05MJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1060	0.3008	0.013	0.011	0.004	0.003	0	0.015	---	---	1
2	---	---	0.1018	0.403A	0.018	0.011	0.002	0.001	0.002	0	---	---	2
3	---	---	0.1020	3.38 E	0.011	0.001	0.003	0.001	0	0	---	---	3
4	---	---	0.1038	8.32 A	0.008	0.010	0.001	0.002	0	0.001	---	---	4
5	---	---	0.1048	5.34 A	0.010	0.012	0.071	0.001	0	0.022	---	---	5
6	---	---	0.1058	3.16	0.033	0.010	0.024	0.001	0	0.043	---	---	6
7	---	---	0.1060	1.85	0.057	0.010	0.018	0.001	0.002	0.038	---	---	7
8	---	---	0.1070	2.38	0.018	0.010	0.006	0.001	0.018	0.041	---	---	8
9	---	---	0.1068	0.875	0.010	0.008	0.001	0.001	0.020	0.037	---	---	9
10	---	---	0.1068	0.318	0.010	0.010	0.006	0.001	0.048	0.028	---	---	10
11	---	---	0.1078	0.141	0.008	0.052	0.004	0.001	0.225	0.027	---	---	11
12	---	---	0.1078	0.387	0.010	0.018	0.038	0.001	0.034	0.028	---	---	12
13	---	---	0.1088	0.230	0.007	0.011	0.021	0.003	0.031	0.032	---	---	13
14	---	---	0.1088	0.181	0.008	0.040	0.006	0.001	0.028	0.028	---	---	14
15	---	---	0.1088	0.035	0.007	0.015	0.005	0.001	0.029	0.088	---	---	15
16	---	---	0.1088	0.022	0.007	0.008	0.007	0.001	0.038	0.086	---	---	16
17	---	---	0.1068	0.013	0.008	0.045	0.006	0.001	0.015	0.038	---	---	17
18	---	---	0.1048	0.008	0.022	0.875	0.008	0.004	0.040	0.088	---	---	18
19	---	---	0.1048	0.002	0.027	0.082	0.015	0.001	0.085	0.037	---	---	19
20	---	---	0.1048	0.002	0.012	0.048	0.010	0.001	0.028	0.034	---	---	20
21	---	---	0.1028	0.001	0.008	0.023	0.002	0.001	0.037	0.035	---	---	21
22	---	---	0.1028	0	0.008	0.012	0.005	0.001	0.033	0.038	---	---	22
23	---	---	0.1028	0.001	0.008	0.047	0.007	0.001	0.028	0.031	---	---	23
24	---	---	0.1028	0.012	0.[illegible]	0.020	0.006	0.001	0.014	0.028	---	---	24
25	---	---	0.1068	0.008	0.[illegible]	0.008	0.001	0.001	0.008	0.028	---	---	25
26	---	---	0.1088	0.013	0.008	0.008	0.001	0.002	0.008	0.028	---	---	26
27	---	---	0.1108	0.015	0.008	0.012	0.002	0.002	0.011	0.0078	---	---	27
28	---	---	0.1128	0.017	0.013	0.017	0.007	0	0.024	0.0148	---	---	28
29	---	---	0.1128	0.013	0.013	0.003	0.006	0	0.027	0.0228	---	---	29
30	---	---	0.1068	0.013	0.008	0.008	0.002	0	0.030	0.0288	---	---	30
31	---		0.2008		0.010		0.201	0		0.0368		---	31
TOTAL	---	---	3.288	24.108	0.408	1.220	0.485	0.037	0.842	0.847	---	---	TOTAL
MEAN	---	---	0.106	0.804	0.013	0.041	0.016	0.001	0.028	0.031	---	---	MEAN
MAX	---	---	0.200	8.32	0.057	0.875	0.201	0.004	0.225	0.088	---	---	MAX
MIN	---	---	0.100	0	0.007	0.001	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.126
MAXIMUM DAILY, 8.32A ON APR 4
MINIMUM DAILY, 0 ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 52 N
LONG 97 15 43 W
DRAINAGE AREA, 876 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42.8
FEB	---	AUG	3.20
MAR	290	SEP	72.7
APR	2 080	OCT	81.6
MAY	38.1	NOV	---
JUN	105	DEC	---

TOTAL DISCHARGE, 2 710 dam³

STURGEON CREEK NEAR PERIMETER HIGHWAY - STATION NO. 05MJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0108	0.3008	0.061	0.023	0.020	0.005	0.008E	0.018	---	---	1
2	---	---	0.0188	1.80 B	0.048	0.015	0.021	0.003	0.006E	0.018	---	---	2
3	---	---	0.0208	2.80 B	0.031	0.017	0.018	0.004	0.004E	0.018	---	---	3
4	---	---	0.0258	3.10 B	0.030	0.021	0.015	0.004	0.003E	0.018	---	---	4
5	---	---	0.0308	4.88 B	0.032	0.027	0.017	0.001	0.003E	0.018	---	---	5
6	---	---	0.0288	3.04	0.038	0.026	0.017	0	0.002E	0.017	---	---	6
7	---	---	0.0408	1.70	0.042	0.028	0.012	0	0.001E	0.018	---	---	7
8	---	---	0.0508	2.27	0.036	0.025	0.010	0	0.001E	0.017	---	---	8
9	---	---	0.0608	1.38	0.038	0.029	0.016	0.002	0 E	0.014	---	---	9
10	---	---	0.0508	0.788	0.042	0.026	0.018	0.005	0.014E	0.013	---	---	10
11	---	---	0.0208	0.521	0.040	0.035	0.017	0.007	0.031E	0.011	---	---	11
12	---	---	0.0108	1.24	0.035	0.035	0.022	0.008	0.018A	0.012	---	---	12
13	---	---	0.0028	0.688	0.047	0.036	0.017	0.008	0.014	0.012	---	---	13
14	---	---	0.0028	0.540	0.051	0.037	0.016	0.005	0.014	0.012	---	---	14
15	---	---	0.0028	0.382	0.041	0.041	0.010	0.008	0.018	0.013	---	---	15
16	---	---	0.0028	0.328	0.048	0.045	0.013	0.006	0.020	0.015	---	---	16
17	---	---	0.0028	0.258	0.060	0.055	0.015	0.010	0.021	0.015	---	---	17
18	---	---	0.0028	0.233	0.051	0.052	0.015	0.010	0.020	0.018	---	---	18
19	---	---	0.0028	0.187	0.042	0.100	0.016	0.010	0.017	0.017	---	---	19
20	---	---	0.0028	0.111	0.042	0.065	0.017	0.010	0.015	0.014	---	---	20
21	---	---	0.0068	0.081	0.038	0.032	0.020	0.016	0.017	0.012	---	---	21
22	---	---	0.0508	0.081	0.026	0.035	0.022	0.018	0.017	0.018	---	---	22
23	---	---	0.1038	0.060	0.018	0.033	0.017	0.010A	0.017	0.012	---	---	23
24	---	---	0.1418	0.078	0.021	0.028	0.016	0.010E	0.018	0.012	---	---	24
25	---	---	0.1188	0.051	0.014	0.020	0.017	0.010A	0.018	0.009	---	---	25
26	---	---	0.0878	0.052	0.007	0.018	0.015	0.008E	0.021	0.011	---	---	26
27	---	---	0.0768	0.050	0.011	0.023	0.009	0.008E	0.021	0.015	---	---	27
28	---	---	0.0628	0.044	0.020	0.023	0.002	0.008E	0.024	0.011	---	---	28
29	---	---	0.0518	0.048	0.024	0.023	0.003	0.007E	0.022	0.0118	---	---	29
30	---		0.0468	0.055	0.027	0.020	0.003	0.007E	0.021	0.0108	---	---	30
31	---		0.0468		0.032		0.010	0.006E		0.0088		---	31
TOTAL	---	---	1.229	30.258	1.084	1.026	0.472	0.213	0.420	0.43[illegible]	---	---	TOTAL
MEAN	---	---	0.040	1.01	0.035	0.034	0.015	0.007	0.014	0.014	---	---	MEAN
MAX	---	---	0.183	5.10	0.061	0.100	0.022	0.010	0.031	0.018	---	---	MAX
MIN	---	---	0.002	0.044	0.007	0.015	0.002	0	0	0.009	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.143
MAXIMUM DAILY, 5.10E ON APR 4
MINIMUM DAILY, 0 ON AUG 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 30 N
LONG 97 20 40 W
DRAINAGE AREA, 843 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	40.8
FEB	---	AUG	16.4
MAR	190	SEP	36.2
APR	2 610	OCT	37.2
MAY	84.5	NOV	---
JUN	88.8	DEC	---

TOTAL DISCHARGE, 3 030 dam³

SWAN (PEMBINA) LAKE NEAR SWAN LAKE - STATION NO. 05OD015

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.892	0.888	0.880	0.483	0.328	0.208	0.048	0.014	-0.014A	---	1
2	---	---	0.892	0.871	0.878	0.472	0.321	0.203	0.048	0.011	---	---	2
3	---	---	0.893	0.878	0.888	0.469	0.317	0.193	0.042	0.011	---	---	3
4	---	---	0.894	0.888	0.890	0.467	0.313	0.188	0.037	0.008	---	---	4
5	---	---	0.897	0.889	0.890	0.464	0.310	0.188	0.032	0.008	---	---	5
6	---	---	0.902	0.890	0.895	0.458	0.317	0.178	0.030	0.008	---	---	6
7	---	---	0.906	0.893	0.898	0.447	0.304	0.168	0.022	0.008	---	---	7
8	---	---	0.915	0.893	0.898	0.438	0.302	0.164	0.001	0.007	---	---	8
9	---	---	0.918	0.881	0.880	0.428	0.284	0.161	-0.008	0.008	---	---	9
10	---	---	0.924	0.880	0.878	0.423	0.288	0.158	0.004	0.003	---	---	10
11	---	---	0.926	0.883	0.872	0.418	0.284	0.158	0.022	0.001	---	---	11
12	---	---	0.924	0.881	0.872	0.408	0.288	0.153	0.022	0.004	---	---	12
13	---	---	0.924	0.886	0.870	0.402	0.281	0.151	0.022	-0.002	---	---	13
14	---	---	0.926	0.884	0.883	0.398	0.285	0.151	0.017	-0.003	---	---	14
15	---	---	0.926	0.887	0.886	0.408	0.288	0.147	0.018	-0.003	---	---	15
16	---	---	0.931	0.836	0.886	0.404	0.283	0.148	0.018	-0.008	---	---	16
17	---	---	0.931	0.826	0.880	0.402	0.278	0.139	0.017	-0.008	---	---	17
18	---	---	0.932	0.848	0.847	0.397	0.278	0.134	0.018	-0.012	---	---	18
19	---	---	0.934	0.826	0.840	0.393	0.274	0.131	0.028	-0.012	---	---	19
20	---	---	0.936	0.831	0.833	0.388	0.278	0.128	0.027	-0.012	---	---	20
21	---	---	0.938	0.837	0.826	0.381	0.273	0.123	0.028	-0.013	---	---	21
22	---	---	0.938	0.823	0.830	0.370	0.288	0.097	0.025	-0.008	---	---	22
23	---	0.867A	0.941	0.824	0.818	0.372	0.286	0.081	0.024	-0.020	---	---	23
24	---	0.868	0.942	0.866	0.808	0.381	0.255	0.083	0.023	-0.018	---	---	24
25	---	0.868	0.883	0.882	0.498	0.385	0.244	0.078	0.023	-0.022	---	---	25
26	---	0.868	0.886	0.884	0.488	0.383	0.243	0.088	0.020	-0.018	---	---	26
27	---	0.869	0.887	0.886	0.483	0.368	0.240	0.086	0.021	-0.018	---	---	27
28	---	0.882	0.881	0.884	0.481	0.367	0.238	0.086	0.021	-0.013	---	---	28
29	---	0.883	0.882	0.884	0.480	0.360	0.218	0.080	0.019	-0.014	---	---	29
30	---		0.884	0.882	0.472	0.328	0.219	0.082	0.018	-0.016	---	---	30
31	---		0.888		0.487		0.208	0.084		-0.014		---	31
MEAN	---	---	0.920	0.868	0.860	0.403	0.278	0.131	0.023	-0.005	---	---	MEAN
MAX	---	---	0.285	0.893	0.836	0.472	0.325	0.208	0.048	0.014	---	---	MAX
MIN	---	---	0.892	0.882	0.487	0.328	0.209	0.084	-0.008	-0.022	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

A - MANUAL GAUGE

MAXIMUM DAILY, 0.893 ON APR 7

MAXIMUM INSTANTANEOUS,
0.708 AT 13:45 CST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 20 N
LONG 98 54 00 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SWAN CREEK NEAR LUNDAR - STATION NO. 05LN003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1888	0.004	0.083	0	0	0 A	0	---	---	1
2	---	---	0 B	0.7128	0.030	0.047	0	0	0 A	0	---	---	2
3	---	---	0 B	0.4888	0.030	0.040	0	0	0 A	0	---	---	3
4	---	---	0 B	0.5848	0.020	0.027	0	0	0 A	0	---	---	4
5	---	---	0 B	0.6808	0.015	0.025	0	0	0 A	0	---	---	5
6	---	---	0 B	0.384	0.012	0.026	0	0	0 A	0	---	---	6
7	---	---	0 B	0.173	0.040	0.021	0.153	0	0 A	0	---	---	7
8	---	---	0 B	0.101	0.224	0.018	0.077	0	0 A	0	---	---	8
9	---	---	0 B	0.083	0.305	0.010	0.074	0	0 A	0	---	---	9
10	---	---	0 B	0.084	0.282	0.008	0.034	0	0 A	0	---	---	10
11	---	---	0 B	0.038	0.287	0.006	0.022	0	0.013A	0	---	---	11
12	---	---	0 B	0.028	0.324	0.007	0.014	0	0.017A	0	---	---	12
13	---	---	0 B	0.107	0.388	0.005	0.018	0	0.008A	0	---	---	13
14	---	---	0 B	0.180	0.498	0.005	0.008	0	0.001A	0	---	---	14
15	---	---	0 B	0.132	0.381	0.013	0.003	0	0 A	0	---	---	15
16	---	---	0 B	0.088	0.383	0.021	0.001	0	0 A	0	---	---	16
17	---	---	0 B	0.068	0.337	0.011	0.005	0 A	0 A	0	---	---	17
18	---	---	0 B	0.048	0.312	0.011	0.001	0.001A	0.003A	0	---	---	18
19	---	---	0 B	0.038	0.338	0.008	0 A	0 A	0.008A	0	---	---	19
20	---	---	0 B	0.031	0.188	0.004	0	0.003A	0.003A	0	---	---	20
21	---	---	0 B	0.012	0.182	0	0	0.002A	0.001A	0	---	---	21
22	---	---	0.0028	0.008	0.133	0	0	0.003A	0.001A	0	---	---	22
23	---	---	0.0138	0.008	0.092	0	0	0.004A	0.001	0	---	---	23
24	---	---	0.0088	0.008	0.078	0	0	0.001A	0.001	0	---	---	24
25	---	---	0.0088	0.008	0.073	0	0	0 A	0.001	0	---	---	25
26	---	---	0.1078	0.010	0.088	0	0	0 A	0.003	0	---	---	26
27	---	---	0.1018	0.008	0.078	0	0	0.004A	0	0	---	---	27
28	---	---	0.0948	0.006	0.078	0	0	0.004A	0	0	---	---	28
29	---	---	0.0888	0.005	0.070	0	0	0.001A	0	0	---	---	29
30	---		0.0828	0.003	0.082	0	0 A	0 A	0	0.001	---	---	30
31	---		0.0828		0.080		0 A	0 A		0.001		---	31
TOTAL	---	---	0.728	4.833	5.084	0.388	0.408	0.033	0.053	0.002	---	---	TOTAL
MEAN	---	---	0.023	0.184	0.184	0.012	0.013	0.001	0.002	0	---	---	MEAN
MAX	---	---	0.107	0.888	0.488	0.053	0.183	0.004	0.017	0.001	---	---	MAX
MIN	---	---	0	0.003	0.004	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.048
MAXIMUM DAILY, 0.8888 ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.068 AT 10:24 CST ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 17 N
LONG 98 08 26 W
DRAINAGE AREA, 733 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38.1
FEB	---	AUG	1.88
MAR	82.7	SEP	4.58
APR	400	OCT	0.17
MAY	430	NOV	---
JUN	31.8	DEC	---

TOTAL DISCHARGE, 978 dam³

REMARKS - PRIOR TO 1988, PUBLISHED AS "BURNT LAKE DRAIN NO. 2"

SWAN LAKE NEAR NOVRA - STATION NO. OSLE007

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	280.720	280.144	279.480	279.025	278.818	278.831	---	---	1
2	---	---	---	---	280.806	280.133	279.453	279.020	278.801	278.824	---	---	2
3	---	---	---	---	280.887	280.118	279.433	279.010	278.805	278.822	---	---	3
4	---	---	---	---	280.944	280.098	279.411	279.011	278.798	278.809	---	---	4
5	---	---	---	---	280.190	280.076	279.412	279.003	278.809	278.807	---	---	5
6	---	---	---	280.858A	280.279	280.052	279.388	278.982	278.813	278.851	---	---	6
7	---	---	---	---	280.338	279.998	279.381	278.999	278.788	278.848	---	---	7
8	---	---	---	---	280.391	279.972	279.336	278.984	278.838	278.852	---	---	8
9	---	---	---	---	280.431	279.954	279.294	278.939	278.887	278.895	---	---	9
10	---	---	---	---	280.462	279.919	279.304	278.929	278.746	278.899	---	---	10
11	---	---	---	---	280.474	279.900	279.305	278.909	278.731	278.885	---	---	11
12	---	---	---	---	280.477	279.884	279.313	278.921	278.727	278.882	---	---	12
13	---	---	---	---	280.505	279.822	279.288	278.917	278.892	278.841	---	---	13
14	---	---	---	---	280.498	279.813	279.284	278.914	278.724	278.833	---	---	14
15	---	---	---	---	280.487	279.780	279.244	278.898	278.723	278.807	---	---	15
16	---	---	---	---	280.481	279.762	279.241	278.887A	278.725	278.873	---	---	16
17	---	---	---	---	280.474	279.755	279.223	278.878E	278.680	278.868	---	---	17
18	---	---	---	---	280.445	279.732	279.219	278.872E	278.883	278.869	---	---	18
19	---	---	---	---	280.438	279.874	279.195	278.864E	278.858	278.817	---	---	19
20	---	---	---	279.818A	280.413	279.881	279.194	278.858E	278.717	278.833	---	---	20
21	---	---	---	278.630	280.387	279.841	279.180	278.848E	278.729	278.805	---	---	21
22	---	---	---	278.584	280.378	279.842	279.185	278.841E	278.687	278.877	---	---	22
23	---	---	---	278.571	280.368	279.856	279.098	278.833E	278.708	278.887	---	---	23
24	---	---	---	278.581	280.354	279.862	279.129	278.828A	278.883	278.808	---	---	24
25	---	---	---	278.802	280.298	279.863	279.121	278.842	278.702	278.826	---	---	25
26	---	---	---	278.615	280.263	279.884	279.114	278.850	278.718	278.877	---	---	26
27	---	---	---	278.825	280.284	279.861	279.111	278.802	278.718	278.858	---	---	27
28	---	---	---	278.838	280.248	279.848	279.089	278.840	278.717	278.872	---	---	28
29	---	---	---	278.885	280.228	279.851	279.048	278.887	278.884	278.873	---	---	29
30	---		---	278.888	280.211	279.807	279.068	278.884	278.874	278.874	---	---	30
31	---		---		280.188		279.008	278.838		278.871		---	31
MEAN	---	---	---	---	280.304	279.806	279.242	278.902	278.728	278.800	---	---	MEAN
MAX	---	---	---	---	280.806	280.144	279.488	279.026	278.818	278.882	---	---	MAX
MIN	---	---	---	---	279.738	279.807	279.008	278.802	278.838	278.487	---	---	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MAXIMUM DAILY, 280.806 ON MAY 13

MAXIMUM INSTANTANEOUS,
280.830 AT 13:13 CST ON MAY 14

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1982 ADJ.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 32 00 N
LONG 100 52 00 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
10 000 km²

SWAN RIVER NEAR MINITONAS - STATION NO. OSLE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6118	0.7778	0.6388	1.048	82.3	12.0	1.76	0.387	0.810	0.814	0.6628	0.4988	1
2	0.7698	0.7788	0.6388	3.268	134	11.0	1.59	0.388	0.741	0.884	0.6988	0.4908	2
3	0.7008	0.7808	0.6428	41.7 B	193	10.1	1.44	0.411	0.881	0.847	0.6748	0.4858	3
4	0.7348	0.7828	0.6458	88.8 B	167	9.32	1.37	0.421	0.825	0.818	0.6658	0.4808	4
5	0.7388	0.7838	0.6498	141 B	186	8.30	1.68	0.386	0.672	0.876	0.6388	0.4768	5
6	0.7378	0.7858	0.6528	195 B	137	7.28	1.36	0.378	0.818	0.888	0.6208	0.4788	6
7	0.7398	0.7868	0.6568	147	140	6.43	1.33	0.358	0.464	0.888	0.6028	0.4718	7
8	0.7408	0.7888	0.6598	108	140	5.58	1.14	0.361	0.378	0.895	0.7838	0.4658	8
9	0.7428	0.7898	0.6628	87.1	123	4.88	1.02	0.331	0.338	0.890	0.7098	0.4818	9
10	0.7428	0.7918	0.6668	84.8	108	4.43	0.951	0.318	0.304	0.882	0.7828	0.4568	10
11	0.7458	0.7938	0.6698	86.8	88.4	4.18	0.882	0.288	0.284	0.880	0.7388	0.4588	11
12	0.7488	0.7948	0.6728	120	74.8	3.80	0.833	0.282	0.281	0.841	0.7208	0.4828	12
13	0.7488	0.7968	0.6768	182	83.1	3.88	0.888	0.280	0.270	0.848	0.7058	0.4478	13
14	0.7488	0.7978	0.6788	118	82.8	3.40	0.939	0.243	0.270	0.861	0.6908	0.4428	14
15	0.7618	0.7998	0.6838	88.8	44.2	3.47	1.01	0.238	0.234	0.858	0.6788	0.4388	15
16	0.7638	0.8008	0.6868	83.8	38.8	3.08	0.878	0.238	0.208	0.878	0.6638	0.4388	16
17	0.7648	0.8028	0.6908	71.8	34.6	2.88	0.884	0.383	0.204	0.880	0.6388	0.4338	17
18	0.7668	0.8038	0.6928	62.1	31.3	2.71	0.758	0.388	0.204	0.888	0.6258	0.4288	18
19	0.7678	0.8058	0.6968	56.4	28.7	2.47	0.728	0.414	0.200	0.888	0.8118	0.4248	19
20	0.7698	0.8068	0.8008	48.8	26.8	2.33	0.741	0.582	0.208	0.848	0.8978	0.4198	20
21	0.7708	0.8088	0.8038	43.3	24.8	2.15	0.728	0.581	0.212	0.832	0.8848	0.4148	21
22	0.7728	0.8098	0.8078	38.8	23.0	1.98	0.728	0.817	0.208	0.813	0.8728	0.4148	22
23	0.7738	0.8118	0.8108	34.2	21.8	1.83	0.681	0.612	0.209	0.807	0.8608	0.4088	23
24	0.7758	0.8148	1.62 B	31.8	20.1	1.88	0.648	0.533	0.273	0.876	0.8488	0.4058	24
25	0.7768	0.8188	2.32 B	28.2	18.2	1.80	0.618	0.524	0.288	0.8148	0.8388	0.4008	25
26	0.7848	0.8218	2.07 B	25.8	16.8	2.03	0.578	0.557	0.361	0.8498	0.8258	0.3988	26
27	0.7898	0.8258	1.38 B	24.7	15.8	1.98	0.643	0.613	0.448	0.8888	0.8158	0.3968	27
28	0.7718	0.8288	1.12 B	25.8	15.8	1.88	0.614	0.907	0.400	0.7208	0.8058	0.3918	28
29	0.7728	0.8318	1.08 B	30.1	14.8	1.80	0.483	0.850	0.441	0.7588	0.8008	0.3888	29
30	0.7748		1.03 B	33.5	13.7	1.71	0.451	0.851	0.588	0.7918	0.4988	0.3828	30
31	0.7768		0.8788		13.1		0.430	0.817		0.8278		0.3778	31
TOTAL	23.481	23.200	31.874	2 128.00	2 057.7	130.89	28.401	14.780	11.324	18.192	20.248	13.488	TOTAL
MEAN	0.758	0.800	1.02	70.8	66.4	4.38	0.918	0.477	0.374	0.818	0.875	0.435	MEAN
MAX	0.811	0.831	2.32	195	193	12.0	1.76	0.951	0.810	0.827	0.898	0.498	MAX
MIN	0.734	0.777	0.838	1.04	13.1	1.71	0.430	0.238	0.200	0.841	0.495	0.377	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.2
MAXIMUM DAILY, 1988 ON APR 6
MINIMUM DAILY, 0.200 ON SEP 19
MAXIMUM INSTANTANEOUS,
198 AT 01:22 CST ON MAY 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 47 N
LONG 101 03 37 W
DRAINAGE AREA, 4 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 030	JUL	3 459
FEB	3 000	AUG	1 280
MAR	3 730	SEP	870
APR	184 000	OCT	1 600
MAY	178 000	NOV	1 750
JUN	11 300	DEC	1 170

TOTAL DISCHARGE, 388 000 dam³

TAYLOR RIVER NEAR THOMPSON - STATION NO. 05TG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6778	0.6938	0.6788	0.6218	17.0A	18.0	3.68	3.03	1.04	2.34	2.428	1.678	1
2	0.6748	0.6938	0.6788	0.6218	---	18.4	3.98	3.08	0.774	2.32	2.428	1.638	2
3	0.6868	0.6908	0.6788	0.6278	---	18.1	3.78	3.03	0.828	2.38	2.428	1.618	3
4	0.6638	0.6908	0.6728	0.6388	---	16.8	4.67	3.08	0.842	2.38	2.428	1.778	4
5	0.6508	0.6908	0.6728	0.6468	---	13.7	5.37	2.81	0.838	2.34	2.418	1.738	5
6	0.6478	0.6908	0.6888	0.6548	---	12.9	5.38	2.78	0.808	2.28	2.408	1.728	6
7	0.6418	0.6908	0.6888	0.6618	---	12.1	5.08	2.84	0.721	2.20	2.388	1.708	7
8	0.6368	0.6908	0.6888	0.6678	---	11.7	5.78	2.77	0.807	2.18	2.378	1.688	8
9	0.6338	0.6908	0.6888	0.6908	---	11.2	7.06	2.88	1.72	2.18	2.378	1.688	9
10	0.6288	0.6908	0.6888	0.6888	---	10.6	7.07	2.48	2.28	2.82	2.388	1.858	10
11	0.6238	0.6908	0.6888	0.6028	---	9.88	5.85	2.43	2.41	2.31	2.368	1.848	11
12	0.6208	0.6908	0.6888	0.6148	---	9.44	6.06	2.31	2.43	2.08	2.348	1.618	12
13	0.6208	0.6878	0.6888	0.6208	---	9.36	5.30	2.18	2.42	1.88	2.348	1.808	13
14	0.6208	0.6878	0.6888	0.6238	---	9.07	4.75	2.04	2.44	2.02	2.338	1.678	14
15	0.6208	0.6878	0.6888	0.6388	---	8.88	4.37	1.83	2.38	2.14	2.338	1.868	15
16	0.6178	0.6868	0.6838	0.6448	28.8A	8.30	4.43	1.77	2.28	2.21	2.338	1.868	16
17	0.6178	0.6868	0.6838	0.6478	27.0	7.80	4.40	1.82	2.30	2.20	2.318	1.838	17
18	0.6178	0.6868	0.6838	0.6638	25.6	7.52	4.80	1.48	2.26	2.17	2.298	1.838	18
19	0.6148	0.6848	0.6808	0.6748	24.6	7.22	5.22	1.34	2.23	2.13	2.288	1.838	19
20	0.6118	0.6848	0.6808	0.6808	23.5	7.07	5.01	1.00	2.07	2.21	2.198	1.828	20
21	0.6118	0.6818	0.6808	0.7018	23.1	6.84	4.42	0.883	1.80	2.44	2.178	1.818	21
22	0.6118	0.6818	0.6808	0.7188	23.7	6.30	3.86	0.718	2.04	2.81	2.138	1.498	22
23	0.6118	0.6788	0.6838	0.7438	22.8	6.76	3.42	0.886	2.82	2.82	2.128	1.488	23
24	0.6088	0.6788	0.6808	0.7888	21.3	6.87	3.16	0.870	2.72	2.80	2.088	1.478	24
25	0.6058	0.6788	0.6818	0.8388	20.3	6.86	2.86	1.02	2.78	2.47	2.068	1.478	25
26	0.6028	0.6788	0.6738	0.8888	19.7	6.43	2.73	0.876	2.80	2.87	2.018	1.478	26
27	0.6088	0.6788	0.6808	0.8918	18.9	6.07	2.81	0.852	2.38	2.82	1.998	1.478	27
28	0.5968	0.6788	0.6388	1.27 B	18.2	4.71	2.44	0.868	2.28	2.86	1.838	1.498	28
29	0.6068	0.6788	0.6308	2.62 B	17.6	4.40	2.42	0.883	2.28	2.48	1.818	1.488	29
30	0.6038		0.6278	5.63 B	16.8	4.14	2.38	1.28	2.38	2.40	1.698	1.488	30
31	0.6038		0.6218		16.3		2.86	1.30		2.41		1.468	31
TOTAL	19.310	18.988	17.429	28.898	---	271.03	137.43	67.008	58.883	72.18	67.32	48.38	TOTAL
MEAN	0.623	0.668	0.662	0.887	---	9.03	4.43	1.84	1.80	2.33	2.24	1.58	MEAN
MAX	0.677	0.693	0.681	5.62	---	18.0	7.07	3.08	2.78	2.82	2.42	1.87	MAX
MIN	0.593	0.678	0.621	0.621	---	4.14	2.38	0.883	0.838	1.98	1.88	1.48	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0.6218 ON MAR 31

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 39 20 N
LONG 98 11 10 W
DRAINAGE AREA, 883 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 670	JUL	11 800
FEB	1 670	AUG	4 930
MAR	1 810	SEP	4 820
APR	2 330	OCT	6 240
MAY	---	NOV	5 820
JUN	23 400	DEC	4 280

TEAKO CREEK NEAR DEAD CREEK NORTH OF PINAWA - STATION NO. 05PF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0.001	0	0	0	0	0	0	0	1
2	0	0	0	0	0.001	0	0	0	0	0	0	0	2
3	0	0	0	0.001	0	0	0	0	0	0	0	0	3
4	0	0	0	0.024	0	0	0	0	0	0	0	0	4
5	0	0	0	0.027	0	0	0	0	0	0	0	0	5
6	0	0	0	0.024	0	0	0	0	0	0	0	0	6
7	0	0	0	0.014	0	0	0.015	0	0	0	0.001	0	7
8	0	0	0	0.008	0	0	0.008	0	0	0	0.001	0	8
9	0	0	0	0.007	0	0	0.003	0	0	0	0.001	0	9
10	0	0	0	0.008	0	0	0.001	0	0	0	0.001	0	10
11	0	0	0	0.004	0.001	0	0	0	0	0	0.001	0	11
12	0	0	0	0.003	0	0	0	0	0	0	0.001	0	12
13	0	0	0	0.002	0	0	0.001	0	0	0	0.001	0	13
14	0	0	0	0.002	0	0	0.001	0	0	0	0.001	0	14
15	0	0	0	0.001	0	0	0	0	0	0	0.001	0	15
16	0	0	0	0.001	0	0	0	0	0	0	0.001	0	16
17	0	0	0	0.001	0	0	0	0	0	0	0.001	0	17
18	0	0	0	0.001	0	0	0	0	0	0	0.001	0	18
19	0	0	0	0	0.013	0	0	0	0	0	0.001	0	19
20	0	0	0	0	0.012	0	0	0	0	0	0.001	0	20
21	0	0	0	0	0.005	0	0	0	0	0	0.001	0	21
22	0	0	0	0	0.003	0	0	0	0	0	0.001	0	22
23	0	0	0	0	0.002	0	0	0	0	0	0.001	0	23
24	0	0	0	0	0.001	0	0	0	0	0	0.001	0	24
25	0	0	0	0.001	0.001	0	0	0	0	0	0	0	25
26	0	0	0	0.001	0.001	0	0	0	0	0	0	0	26
27	0	0	0	0.001	0	0	0	0	0	0	0	0	27
28	0	0	0	0.001	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0		0	0.001	0	0	0	0	0	0	0	0	30
31	0		0		0		0	0		0		0	31
TOTAL	0	0	0	0.131	0.041	0	0.038	0	0	0	0.018	0	TOTAL
MEAN	0	0	0	0.004	0.001	0	0.001	0	0	0	0.001	0	MEAN
MAX	0	0	0	0.027	0.013	0	0.015	0	0	0	0.001	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.027 ON APR 5
MINIMUM DAILY, 0 ON JAN 1

DATA CONTRIBUTED BY -
ATOMIC ENERGY OF CANADA

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 14 40 N
LONG 95 52 04 W
DRAINAGE AREA, 0.52 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	2.31
FEB	0	AUG	0
MAR	0	SEP	0
APR	11.3	OCT	0
MAY	3.56	NOV	1.56
JUN	0	DEC	0

TOTAL DISCHARGE, 18.9 dam³

TOBACCO CREEK NEAR ROSEBANK - STATION NO. 05DF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1008	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.2008	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.4788	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.447A	0	0	0	0	0	0	---	---	4
5	---	---	0.0018	0.404	0	0	0	0	0	0	---	---	5
6	---	---	0.0018	0.383	0	0	0	0	0	0	---	---	6
7	---	---	0.0018	0.213	0	0	0	0	0	0	---	---	7
8	---	---	0.0018	0.183	0	0	0	0	0	0	---	---	8
9	---	---	0.0018	0.145	0	0	0	0	0	0	---	---	9
10	---	---	0.0018	0.077	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.058	0.044	0	0	0	0	0	---	---	11
12	---	---	0 B	0.038	0.038	0	0	0	0	0	---	---	12
13	---	---	0 B	0.034	0.026	0	0	0	0	0	---	---	13
14	---	---	0 B	0.024	0.021	0	0	0	0	0	---	---	14
15	---	---	0 B	0.020	0.017	0	0	0	0	0	---	---	15
16	---	---	0 B	0.018	0.023	0	0	0	0	0	---	---	16
17	---	---	0 B	0.018	0.018	0	0	0	0	0	---	---	17
18	---	---	0 B	0.018	0.014	0	0	0	0	0	---	---	18
19	---	---	0 B	0.014	0.010	0	0	0	0	0	---	---	19
20	---	---	0 B	0.013	0.007	0	0	0	0	0	---	---	20
21	---	---	0 B	0.014	0.005	0	0	0	0	0	---	---	21
22	---	---	0.0018	0.012	0.004	0	0	0	0	0	---	---	22
23	---	---	0.0108	0.010	0.002	0	0	0	0	0	---	---	23
24	---	---	0.0408	0.008	0	0	0	0	0	0	---	---	24
25	---	---	0.0388	0.003	0	0	0	0	0	0	---	---	25
26	---	---	0.0348	0	0	0	0	0	0	0	---	---	26
27	---	---	0.0328	0	0	0	0	0	0	0	---	---	27
28	---	---	0.0308	0	0	0	0	0	0	0	---	---	28
29	---	---	0.0288	0	0	0	0	0	0	0	---	---	29
30	---		0.0268	0	0	0	0	0	0	0	---	---	30
31	---		0.0248		0		0	0		0		---	31
TOTAL	---	---	0.367	2.800	0.226	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.008	0.097	0.007	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.040	0.476	0.044	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.476B ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.931 AT 08:02 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 00 N
LONG 98 09 45 W
DRAINAGE AREA, 108 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	23.1	SEP	0
APR	261	OCT	0
MAY	19.5	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 304 dam³

TOUROND CREEK NEAR TOUROND - STATION NO. 05DE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2308	0.001	0	0	0	0	0	---	---	1
2	---	---	0 B	0.6138	0.001	0	0	0	0	0	---	---	2
3	---	---	0 B	0.8078	0	0	0	0	0	0	---	---	3
4	---	---	0 B	1.18 B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.7448	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.3078	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.2568	0.001	0	0	0	0	0	---	---	7
8	---	---	0 B	0.2048	0.001	0	0	0	0	0	---	---	8
9	---	---	0 B	0.1588	0.008	0	0	0	0	0	---	---	9
10	---	---	0 B	0.104	0.008	0	0	0	0	0	---	---	10
11	---	---	0 B	0.083	0.007	0	0	0	0	0	---	---	11
12	---	---	0 B	0.002	0.007	0	0	0	0	0	---	---	12
13	---	---	0 B	0.002	0.008	0	0	0	0	0	---	---	13
14	---	---	0 B	0.002	0.008	0	0	0	0	0	---	---	14
15	---	---	0 B	0.001	0.008	0	0	0	0	0	---	---	15
16	---	---	0 B	0.001	0.008	0	0	0	0	0	---	---	16
17	---	---	0 B	0.001	0.003	0	0	0	0	0	---	---	17
18	---	---	0 B	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0.0108	0.001	0.002	0	0	0	0	0	---	---	19
20	---	---	0.0208	0.001	0.002	0	0	0	0	0	---	---	20
21	---	---	0.0318	0.001	0.002	0	0	0	0	0	---	---	21
22	---	---	0.0418	0.001	0.002	0	0	0	0	0	---	---	22
23	---	---	0.0528	0.001	0.003	0	0	0	0	0	---	---	23
24	---	---	0.0628	0.001	0.003	0	0	0	0	0	---	---	24
25	---	---	0.0508	0.001	0.002	0	0	0	0	0	---	---	25
26	---	---	0.0308	0.001	0.002	0	0	0	0	0	---	---	26
27	---	---	0.0308	0.001	0.001	0	0	0	0	0	---	---	27
28	---	---	0.0388	0.001	0.001	0	0	0	0	0	---	---	28
29	---	---	0.0408	0.001	0	0	0	0	0	0	---	---	29
30	---		0.0428	0.001	0	0	0	0	0	0	---	---	30
31	---		0.0488		0		0	0		0		---	31
TOTAL	---	---	0.488	4.884	0.082	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.016	0.163	0.003	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.062	1.18	0.008	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.022
MAXIMUM DAILY, 1.18B ON APR 4
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 98 58 50 W
DRAINAGE AREA, 150 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	42.2	SEP	0
APR	430	OCT	0
MAY	7.08	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 489 dam³

TRURO CREEK AT WESTERN AIRPORT BOUNDARY - STATION NO. 05MJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.005E	0E	0	0	0	0	0	---	---	1
2	---	---	0B	0.010E	0E	0	0	0	0	0	---	---	2
3	---	---	0B	0.020E	0E	0	0	0	0	0	---	---	3
4	---	---	0B	0.025A	0E	0	0	0	0	0	---	---	4
5	---	---	0B	0.014	0E	0	0	0	0	0	---	---	5
6	---	---	0B	0.008	0E	0	0	0	0	0	---	---	6
7	---	---	0B	0.005	0E	0	0	0	0	0	---	---	7
8	---	---	0B	0.005	0E	0	0	0	0	0	---	---	8
9	---	---	0B	0.003	0E	0	0	0	0	0	---	---	9
10	---	---	0B	0.003	0E	0	0	0	0B	0	---	---	10
11	---	---	0B	0.002	0E	0	0	0	0E	0	---	---	11
12	---	---	0B	0.002	0E	0	0	0	0A	0	---	---	12
13	---	---	0B	0.001	0E	0	0	0	0E	0	---	---	13
14	---	---	0B	0	0E	0	0	0	0E	0	---	---	14
15	---	---	0B	0	0E	0	0	0	0E	0	---	---	15
16	---	---	0B	0	0E	0	0	0	0E	0	---	---	16
17	---	---	0B	0	0E	0	0	0	0E	0	---	---	17
18	---	---	0B	0	0E	0.001A	0	0	0E	0	---	---	18
19	---	---	0B	0	0E	0	0	0	0E	0	---	---	19
20	---	---	0B	0	0E	0	0	0	0	0	---	---	20
21	---	---	0B	0 E	0E	0	0	0	0	0	---	---	21
22	---	---	0B	0 E	0E	0	0	0	0	0	---	---	22
23	---	---	0B	0 E	0E	0	0	0	0	0	---	---	23
24	---	---	0B	0 E	0E	0	0	0	0	0	---	---	24
25	---	---	0B	0 E	0E	0	0	0	0	0	---	---	25
26	---	---	0B	0 E	0	0	0	0	0	0	---	---	26
27	---	---	0B	0 E	0	0	0	0	0	0B	---	---	27
28	---	---	0B	0 A	0	0	0	0	0	0B	---	---	28
29	---	---	0B	0 E	0	0	0	0	0	0B	---	---	29
30	---		0B	0 E	0	0	0	0	0	0B	---	---	30
31	---		0B		0		0	0		0B		---	31
TOTAL	---	---	0	0.103	0	0.001	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.003	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.025	0	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OC

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.025A ON APR 4
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 34 N
LONG 97 15 50 W
DRAINAGE AREA, 11.4 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0.90	OCT	0
MAY	0	NOV	---
JUN	0.09	DEC	---

TOTAL DISCHARGE, 0.99 dam³

TRURO CREEK NEAR ASSINIBOINE GOLF COURSE - STATION NO. 05MJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.158B	0.001	0	0	0.007	0	0	---	---	1
2	---	---	0 B	0.313A	0.001	0	0	0	0	0	---	---	2
3	---	---	0 B	0.213E	0.001	0	0	0.001	0	0	---	---	3
4	---	---	0 B	0.112A	0.002	0	0	0	0	0	---	---	4
5	---	---	0 B	0.080A	0.001	0	0.008	0	0	0	---	---	5
6	---	---	0 B	0.040	0.001	0	0.010	0	0	0	---	---	6
7	---	---	0 B	0.020	0.025	0	0.002	0	0	0	---	---	7
8	---	---	0 B	0.012A	0.013	0	0.001	0	0	0	---	---	8
9	---	---	0 B	0.008E	0.003	0	0	0	0	0	---	---	9
10	---	---	0.002B	0.005E	0.002	0	0	0	0	0	---	---	10
11	---	---	0.003B	0.003A	0.002	0	0	0	0.001	0	---	---	11
12	---	---	0.004B	0.002	0.001	0.005	0	0	0.080	0	---	---	12
13	---	---	0.003B	0.001	0.001	0.001	0.023	0	0.001	0	---	---	13
14	---	---	0.001B	0.001	0.001	0.008	0.002	0	0	0	---	---	14
15	---	---	0.001B	0.001	0.001	0.025	0.001	0	0	0	---	---	15
16	---	---	0.001B	0.001	0.001	0.005	0	0	0	0	---	---	16
17	---	---	0.001B	0.001	0.001	0.008	0	0	0	0	---	---	17
18	---	---	0 B	0.001	0.001	0.238	0	0	0.001	0	---	---	18
19	---	---	0 B	0.001	0.018	0.012	0	0	0.034	0	---	---	19
20	---	---	0 B	0.001	0.004	0.002	0	0	0.001	0.001	---	---	20
21	---	---	0 B	0.001	0.002	0.001	0	0	B	0.001	---	---	21
22	---	---	0 B	0.001	0.001	0.001	0	0	0	0	---	---	22
23	---	---	0 B	0.001	0.001	0.001	0	0	0	0.044	---	---	23
24	---	---	0.010B	0.001	0.001	0.007	0	0	0	0.001	---	---	24
25	---	---	0.028B	0.001	0.001	0.002	0	0	0	0.001	---	---	25
26	---	---	0.020B	0.001	0.001E	0.001	0	0	0	0.004	---	---	26
27	---	---	0.015B	0.001	0.001	0	0	0	0	0.001B	---	---	27
28	---	---	0.008B	0.001E	0.001	0.001	0	0	0	0 B	---	---	28
29	---	---	0.007B	0.001	0.001	0.001	0	0	0	0 B	---	---	29
30	---		0.006B	0.001	0.001	0	0	0	0	0 B	---	---	30
31	---		0.003B		0		0.126	0		0 B		---	31
TOTAL	---	---	0.110	0.981	0.080	0.311	0.173	0.008	0.178	0.083	---	---	TOTAL
MEAN	---	---	0.004	0.033	0.003	0.010	0.006	0	0.006	0.002	---	---	MEAN
MAX	---	---	0.028	0.313	0.025	0.238	0.126	0.007	0.080	0.044	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.313A ON APR 2
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 18 N
LONG 97 13 40 W
DRAINAGE AREA, 16.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14.9
FEB	---	AUG	0.89
MAR	0.59	SEP	16.4
APR	84.8	OCT	4.96
MAY	7.78	NOV	---
JUN	28.8	DEC	---

TOTAL DISCHARGE, 158 dam³

TURTLE RIVER NEAR LAURIER - STATION NO. 05LJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0088	0.2018	4.78	0.807	0.038	0.002	0.027	0.152	0.184	---	1
2	---	---	0.0038	1.38 B	8.08	0.587	0.048	0.002	0.022	0.142	---	---	2
3	---	---	0.0818	4.86 B	15.8	0.613	0.044	0.001	0.017	0.138	---	---	3
4	---	---	0.0188	13.4 B	9.47	0.432	0.033	0.001	0.017	0.138	---	---	4
5	---	---	0.0138	15.5 B	4.98	0.380	0.038	0.001	0.014	0.143	---	---	5
6	---	---	0.0318	11.3 B	3.38	0.298	0.088	0.001	0.014	0.183	---	---	6
7	---	---	0.0498	10.0 B	8.07	0.248	0.178	0.001	0.014	0.188	---	---	7
8	---	---	0.0888	8.84 B	8.04	0.208	0.177	0.001	0.013	0.131	---	---	8
9	---	---	0.0858	3.80	8.88	0.208	0.088	0.001	0.014	0.133	---	---	9
10	---	---	0.0698	3.30	4.33	0.188	0.073	0	0.010	0.127	---	---	10
11	---	---	0.0238	2.82	3.08	0.213	0.088	0	0.020	0.122	---	---	11
12	---	---	0.0178	2.88	2.81	0.235	0.078	0	0.138	0.123	---	---	12
13	---	---	0.0158	2.83	2.44	0.188	0.118	0	0.121	0.127	---	---	13
14	---	---	0.0118	2.88	2.01	0.172	0.118	0	0.104	0.130	---	---	14
15	---	---	0.0108	1.97	2.44	0.233	0.138	0	0.082	0.134	---	---	15
16	---	---	0.0088	2.24	2.48	0.188	0.144	0	0.047	0.135	---	---	16
17	---	---	0.0088	1.88	1.88	0.088	0.087	0.002	0.044	0.134	---	---	17
18	---	---	0.0078	2.04	1.53	0.078	0.087	0.001	0.088	0.132	---	---	18
19	---	---	0.0078	2.33	1.72	0.087	0.040	0.001	0.086	0.135	---	---	19
20	---	---	0.0078	2.02	1.48	0.083	0.038	0.001	0.134	0.140	---	---	20
21	---	---	0.0158	2.01	1.30	0.048	0.033	0.225	0.143	0.110	---	---	21
22	---	---	0.0658	1.82	1.17	0.038	0.023	0.842	0.187	0.134	---	---	22
23	---	---	0.4328	1.78	1.07	0.041	0.018	0.536	0.124	0.130	---	---	23
24	---	---	1.06 B	1.88	0.958	0.088	0.012	0.238	0.103	0.130	---	---	24
25	---	---	0.5888	1.70	0.888	0.074	0.008	0.110	0.088	0.138	---	---	25
26	---	---	0.2488	1.84	0.838	0.088	0.008	0.088	0.114	0.100	---	---	26
27	---	---	0.3738	2.20	0.808	0.082	0.008	0.087	0.128	0.108	---	---	27
28	---	---	0.2198	3.77	0.782	0.048	0.008	0.087	0.124	0.091	---	---	28
29	---	0.301	0.1488	5.11	0.784	0.050	0.004	0.088	0.174	0.088	---	---	29
30	---		0.0848	5.13	0.887	0.048	0.003	0.041	0.183	0.087	---	---	30
31	---		0.0888		0.848		0.002	0.038		0.098		---	31
TOTAL	---	---	3.772	120.891	105.090	5.702	1.778	2.344	2.328	3.930	---	---	TOTAL
MEAN	---	---	0.122	4.03	3.39	0.190	0.057	0.078	0.078	0.127	---	---	MEAN
MAX	---	---	1.06	15.5	15.8	0.807	0.178	0.842	0.183	0.183	---	---	MAX
MIN	---	---	0.003	0.301	0.848	0.038	0.002	0	0.010	0.087	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 15.8 ON MAY 3
MINIMUM DAILY, 0 ON AUG 10
MAXIMUM INSTANTANEOUS,
18.1 AT 01:34 CST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 40 N
LONG 99 31 15 W
DRAINAGE AREA, 938 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	153
FEB	---	AUG	203
MAR	328	SEP	201
APR	10 490	OCT	340
MAY	9 830	NOV	---
JUN	493	DEC	---

TOTAL DISCHARGE, 21 200 dam³

TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR - STATION NO. 05MG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0808	0.008	0.002	0	0	0	0	---	---	1
2	---	---	0 B	0.2178	0.032	0.002	0	0	0	0	---	---	2
3	---	---	0 B	0.1188	0.018	0.001	0	0	0	0	---	---	3
4	---	---	0 B	0.073	0.008	0.001	0	0	0	0	---	---	4
5	---	---	0 B	0.032	0.008	0	0	0	0	0	---	---	5
6	---	---	0.0018	0.018	0.005	0	0	0	0	0	---	---	6
7	---	---	0 B	0.008	0.005	0	0	0	0	0	---	---	7
8	---	---	0 B	0.022	0.028	0	0	0	0	0	---	---	8
9	---	---	0.0018	0.010	0.038	0	0	0	0	0	---	---	9
10	---	---	0.0018	0.008	0.017	0	0	0	0	0	---	---	10
11	---	---	0 B	0.004	0.011	0	0	0	0	0	---	---	11
12	---	---	0 B	0.004	0.008	0	0	0	0	0	---	---	12
13	---	---	0 B	0.007	0.006	0	0	0	0	0	---	---	13
14	---	---	0 B	0.006	0.007	0	0	0	0	0	---	---	14
15	---	---	0 B	0.003	0.011	0	0	0	0	0	---	---	15
16	---	---	0 B	0.003	0.018	0	0	0	0	0	---	---	16
17	---	---	0 B	0.003	0.012	0	0	0	0	0	---	---	17
18	---	---	0 B	0.003	0.008	0	0	0	0	0	---	---	18
19	---	---	0 B	0.003	0.007	0	0	0	0	0	---	---	19
20	---	---	0 B	0.003	0.007	0	0	0	0	0	---	---	20
21	---	---	0 B	0.001	0.008	0	0	0	0	0	---	---	21
22	---	---	0.0028	0.001	0.003	0	0	0	0	0	---	---	22
23	---	---	0.0048	0.001	0.003	0	0	0	0	0	---	---	23
24	---	---	0.0118	0.002	0.002	0	0	0	0	0	---	---	24
25	---	---	0.0188	0.003	0.001	0	0	0	0	0	---	---	25
26	---	---	0.0488	0.002	0.001	0	0	0	0	0	---	---	26
27	---	---	0.0048	0.002	0.001	0	0	0	0	0	---	---	27
28	---	---	0.0018	0.003	0.001	0	0	0	0	0	---	---	28
29	---	---	0.0018	0.003	0.001	0	0	0	0	0	---	---	29
30	---		0.0018	0.004	0.001	0	0	0	0	0	---	---	30
31	---		0.0288		0.001		0	0		0		---	31
TOTAL	---	---	0.117	0.838	0.274	0.008	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.004	0.021	0.008	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.048	0.217	0.038	0.002	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.2178 ON APR 2
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.3388 AT 16:27 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 58 N
LONG 100 23 57 W
DRAINAGE AREA, 74.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	10.1	SEP	0
APR	86.2	OCT	0
MAY	23.7	NOV	---
JUN	0.82	DEC	---

TOTAL DISCHARGE, 89.8 dam³

VALLEY RIVER ABOVE GILBERT PLAINS DAM - STATION NO. 05LJ012

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	380.183E	381.01E	380.81E	380.41E	380.761E	381.179E	381.101E	---	1
2	---	---	---	---	379.85E	380.988E	380.820E	380.37E	380.75E	381.173E	381.08E	---	2
3	---	---	---	---	380.00E	380.95E	380.830E	380.37E	380.720E	381.16E	381.088E	---	3
4	---	---	---	381.81E	380.18E	380.838E	380.84E	380.38I	380.733E	381.188E	381.08E	---	4
5	---	---	---	---	380.138E	380.81BE	380.828E	380.48E	380.70E	381.19	---	---	5
6	---	---	---	---	380.10E	380.88E	380.80E	380.673E	380.70E	381.168E	---	381.24E	6
7	---	---	---	---	380.223E	380.888E	380.801E	380.670E	380.71E	381.16E	---	---	7
8	---	---	381.30E	---	380.38BE	380.87E	380.78E	380.78E	380.731E	381.163E	---	---	8
9	---	---	---	---	380.46E	380.871E	380.793E	380.761E	380.74E	381.188E	---	---	9
10	---	---	---	---	380.393E	380.88E	380.788E	380.77E	380.736E	381.15E	---	---	10
11	---	---	---	---	380.38E	380.818E	380.78E	380.771E	380.728E	381.16E	---	---	11
12	---	---	---	---	380.261E	380.88E	380 781E	380.76E	380.71E	381.168E	---	---	12
13	---	---	---	---	380.21E	380.81E	380.77E	380.788E	380.711E	381.188E	---	---	13
14	---	---	---	---	380.183E	380.85E	380.748E	380.78E	380.70E	381.18E	---	---	14
15	---	---	---	---	380.148E	380.88E	380.71E	380.76E	380.698E	381.198E	---	---	15
16	---	---	---	---	380.11E	380.81E	380.608E	380.772E	380.68E	381.173E	---	---	16
17	---	381.21E	---	---	380.108E	380.88E	380.488E	380.77E	380.673E	381.17E	---	---	17
18	---	---	---	---	380.08E	380.878E	380.38E	380.78OE	380.66E	381.188E	---	---	18
19	---	---	---	---	380.04E	380.85BE	380.31E	380.78I	380.64E	381.15E	---	---	19
20	---	---	---	378.88E	380.00E	380.83E	380.21E	380.779E	380.631E	381.181E	---	---	20
21	---	---	---	378.67E	380.028E	380.846E	380.13E	380.778E	380.61E	381.14E	---	---	21
22	---	---	---	380.80E	378.881E	380.85E	380.29E	380.77E	380.608E	381.141E	381.23E	---	22
23	---	---	---	380.80BE	378.863E	380.88E	380.38BE	380.778E	380.77E	381.138E	---	---	23
24	---	---	---	380.813E	378.81E	380.85E	380.47E	380.77E	380.778E	381.131	---	---	24
25	---	---	---	380.81E	378.89E	380.848E	380.48E	380.778E	380.783E	381.124E	---	---	25
26	---	---	---	380.811E	378.88E	380.838E	380.47E	380.77E	380.78E	381.11E	---	---	26
27	---	---	---	380.80E	381.07E	380.82E	380.48E	380.778E	380.818E	381.111E	---	---	27
28	---	---	---	380.821E	381.063E	380.821E	380.48E	380.778E	381.04BE	381.10E	---	---	28
29	---	---	---	380.83E	381.04BE	380.81E	380.47E	380.77E	381.17E	381.108E	---	---	29
30	---	---	---	380.80BE	381.03E	380.819E	380.48BE	380.771E	381.18E	381.108E	---	---	30
31	---	---	---		381.028E		380.48E	380.78E		381.10E	---	---	31
MEAN	---	---	---	---	380.271	380.884	380.800	380.704	380.704	381.150	---	---	MEAN
MAX	---	---	---	---	381.07E	381.01E	380.84E	380.78E	381.18E	381.17E	---	---	MAX
MIN	---	---	---	---	378.88E	380.81E	380.13E	380.38I	380.61E	381.10E	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 08 10 N
LONG 100 29 33 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1960

DRAINAGE AREA,
2 0[illegible] km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VALLEY RIVER NEAR DAUPHIN - STATION NO. 05LJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.072E	1.00E	7.82	7.80	0.961	0.042	0.057	0.008	---	---	1
2	---	---	0.078E	5.00E	15.6	7.18	0.807	0.041	0.048	0.007	---	---	2
3	---	---	0.078E	12.0 E	38.1	6.48	0.806	0.038	0.040	0.007	---	---	3
4	---	---	0.081E	25.0 E	80.4	5.07	0.714	0.014	0.034	0.008	---	---	4
5	---	---	0.084E	84.0 E	48.0	4.33	1.32	0.004	0.028	0.008	---	---	5
6	---	---	0.087E	88.2 E	38.2	3.48	1.19	0.002	0.007	0.093	---	---	6
7	---	---	0.091E	86.3	42.1	3.43	1.08	0	0.001	0	---	---	7
8	---	---	0.084E	38.1	88.4	3.18	1.08	0	0	0	---	---	8
9	---	---	0.100E	30.5	82.3	2.82	0.888	0	0	0	---	---	9
10	---	---	0.090E	13.4	88.9	2.78	0.672	0	0	0.000	---	---	10
11	---	---	0.088E	11.4	47.5	3.08	0.672	0	0	0.121	---	---	11
12	---	---	0.080E	11.4	42.0	4.71	0.801	0	0	0.126	---	---	12
13	---	---	0.082E	8.73	37.4	5.80	0.932	0	0	0.131	---	---	13
14	---	---	0.087E	8.88	33.2	3.88	0.482	0	0	0.137	---	---	14
15	---	---	0.093E	7.28	30.7	3.88	0.438	0	0	0.132	---	---	15
16	---	---	0.088E	8.34	28.7	3.32	0.384	0.001	0.008	0.121	---	---	16
17	---	---	0.085E	8.38	27.2	3.48	0.357	0.030	0.022	0.138	---	---	17
18	---	---	0.081E	8.37	25.6	3.12	0.300	0.008	0.027	0.178	---	---	18
19	---	---	0.078E	8.38	23.7	2.80	0.304	0.001	0.026	0.188	---	---	19
20	---	---	0.074E	4.62	21.1	2.31	0.284	0.001	0.017	0.199	---	---	20
21	---	---	0.070E	3.62	18.8	1.97	0.284	0.007	0.003	0.196	---	---	21
22	---	---	0.080E	3.13	18.8	1.84	0.241	0.030	0.004	0.206	---	---	22
23	---	---	0.300E	2.74	18.2	1.68	0.213	0.158	0	0.232	---	---	23
24	---	---	0.800E	3.08	16.0	1.88	0.198	0.139	0	0.233	---	---	24
25	---	---	0.900E	3.31	13.8	1.81	0.178	0.087	0.001	0.204	---	---	25
26	---	---	1.00 E	2.78	11.8	1.80	0.158	0.131	0.008	0.181	---	---	26
27	---	---	2.00 E	2.78	10.4	1.31	0.140	0.184	0.007	0.228	---	---	27
28	---	---	1.75 E	3.02	10.1	1.20	0.118	0.139	0.023	0.218	---	---	28
29	---	---	1.40 E	3.07	9.82	1.08	0.098	0.118	0.026	0.213	---	---	29
30	---		1.00 E	8.21	9.18	1.02	0.078	0.093	0.013	0.202	---	---	30
31	---		0.900E		8.88		0.088	0.071		0.206A		---	31
TOTAL	---	---	11.48E	428.19	888.48	87.98	15.827	1.270	0.394	3.935	---	---	TOTAL
MEAN	---	---	0.371	14.3	28.8	3.27	0.801	0.041	0.013	0.127	---	---	MEAN
MAX	---	---	2.00	88.2	82.3	7.80	1.32	0.184	0.057	0.323	---	---	MAX
MIN	---	---	0.070	1.00	7.82	1.02	0.088	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.82
MAXIMUM DAILY, 88.2E ON APR 6
MINIMUM DAILY, 0.0E ON AUG 7
MAXIMUM INSTANTANEOUS,
91.0 AT 19:30 CST ON APR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 15 45 N
LONG 100 00 38 W
DRAINAGE AREA, 2 670 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL 1 340	
FEB	---	AUG 110	
MAR	882	SEP 34.0	
APR 37 100		OCT 340	
MAY 76 100		NOV ---	
JUN 8 470		DEC ---	

TOTAL DISCHARGE, 133 000 dam³

VALLEY RIVER NEAR GRANDVIEW - STATION NO. 05LJ021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.128	2.87 B	1.88	8.36	0.545	0.088	1.47	0.679	---	---	1
2	---	---	1.308	2.58 B	4.19	5.08	1.61	0.150	1.02	0.808	---	---	2
3	---	---	1.388	7.41 B	12.0	4.25	1.41	0.312	0.481	0.230	---	---	3
4	---	---	1.278	21.5 B	14.5	3.90	0.894	0.487	0.198	0.114	---	---	4
5	---	---	1.588	16.6 B	13.3	3.82	0.843	0.521	0.092	0.102	---	---	5
6	---	---	1.828	15.2 B	17.6	3.32	0.854	0.487	0.040	0.208	---	---	6
7	---	---	1.828	16.0	27.7	3.10	0.455	0.248	0.002	0.238	---	---	7
8	---	---	1.708	10.1	38.3	2.67	0.380	0.100	0	0.333	---	---	8
9	---	---	1.888	6.66	38.8	2.78	0.314	0.093	0	0.347	---	---	9
10	---	---	2.108	5.34	34.7	2.76	0.251	0.088	0	0.890	---	---	10
11	---	---	2.038	4.88	31.8	8.75	0.170	0.048	0	0.734	---	---	11
12	---	---	2.048	4.51	28.6	4.28	0.088	0.042	0.020	0.730	---	---	12
13	---	---	1.888	3.71	25.8	3.06	0.057	0.013	0.084	0.775	---	---	13
14	---	---	2.008	3.01	23.5	2.67	0.030	0.059	0.105	1.16	---	---	14
15	---	---	2.098	2.29	22.1	3.15	0.005	0.183	0.083	0.985	---	---	15
16	---	---	2.148	2.13	21.1	2.86	0	0.177	0.088	0.985	---	---	16
17	---	---	2.118	2.13	18.2	2.46	0	0.284	0.217	0.942	---	---	17
18	---	---	2.098	1.77	17.1	2.14	0	0.627	0.200	0.700	---	---	18
19	---	---	2.068	1.54	16.1	1.93	0	1.00	0.213	0.804	---	---	19
20	---	---	2.028	1.33	13.7	1.72	0	0.887	0.223	0.671	---	---	20
21	---	---	2.018	1.20	12.6	1.62	0	0.804	0.222	0.317	---	---	21
22	---	---	2.128	1.08	11.6	1.84	0	0.851	0.271	0.211	---	---	22
23	---	---	3.128	1.03	10.8	1.84	0	1.03	0.360	0.148	---	---	23
24	---	---	3.328	0.885	10.0	1.35	0	1.11	0.358	0.118	---	---	24
25	---	---	2.868	1.03	8.44	1.10	0	0.985	0.353	0.180	---	---	25
26	---	---	3.128	1.02	8.01	0.888	0	0.517	0.487	0.145	---	---	26
27	---	---	5.128	1.04	8.87	0.887	0	0.188	0.488	0.184	---	---	27
28	---	---	4.888	1.00	8.17	0.825	0	0.008	0.487	0.177	---	---	28
29	---	---	4.068	1.11	7.71	0.883	0	0.004	0.488	0.111	---	---	29
30	---		3.008	1.18	7.36	0.887	0	0.883	0.588	0.080	---	---	30
31	---		2.428		8.80		0.038	1.37		0.085		---	31
TOTAL	---	---	72.61	141.085	521.70	80.731	7.730	13.784	8.593	13.144	---	---	TOTAL
MEAN	---	---	2.34	4.70	16.8	2.69	0.249	0.445	0.286	0.424	---	---	MEAN
MAX	---	---	5.12	21.5	38.3	8.75	1.61	1.37	1.47	1.16	---	---	MAX
MIN	---	---	1.12	0.885	1.88	0.887	0	0.004	0	0.085	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.51
MAXIMUM DAILY, 38.3 ON MAY 8
MINIMUM DAILY, 0 ON JUL 18
MAXIMUM INSTANTANEOUS,
38.3 AT 23:08 CST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 10 N
LONG 100 41 40 W
DRAINAGE AREA, 1 730 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	888
FEB	---	AUG	1 180
MAR	8 280	SEP	742
APR	12 200	OCT	1 140
MAY	45 100	NOV	---
JUN	8 880	DEC	---

TOTAL DISCHARGE, 74 300 dam³

VERMILION RESERVOIR NEAR DAUPHIN - STATION NO. 05LJ045

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	387.438	388.626	385.774	388.407A	388.872	388.413	388.332	388.316	388.326	388.338	388.324	388.048	1
2	387.420	388.597	385.744	388.570A	388.858	388.418	388.331	388.306	388.322	388.338	388.318	388.035	2
3	387.403	388.570	385.712	388.891A	388.333	388.406	388.336	388.306	388.320	388.333	388.309	388.020	3
4	387.378	388.536	385.681	388.704E	388.842	388.392	388.332	388.304	388.316	388.329	388.302	388.010	4
5	387.367	388.508	385.650	388.036A	388.832	388.376	388.336	388.297	388.313	388.331	388.298	388.001	5
6	387.328	388.476	385.628	388.837A	388.718	388.371	388.338	388.291	388.313	388.332	388.298	387.987	6
7	387.308	388.462	385.600	388.690A	388.733	388.360	388.341	388.291	388.316	388.334	388.292	387.985	7
8	387.282	388.420	385.566	388.656	388.615	388.361	388.308	388.278	388.298	388.335	388.288	387.973	8
9	387.263	388.383	385.536	388.592	388.783	388.355	388.308	388.272	388.277	388.331	388.274	387.958	9
10	387.222	388.384	385.525	388.571	388.872	388.355	388.357	388.260	388.273	388.307	388.288	387.943	10
11	387.188	388.331	385.508	388.558	388.813	388.363	388.348	388.265	388.272	388.288	388.287	387.928	11
12	387.171	388.308	385.474	388.550	388.578	388.364	388.347	388.262	388.272	388.288	388.281	387.909	12
13	387.144	388.278	385.445	388.532	388.558	388.360	388.347	388.260	388.270	388.272	388.242	387.891	13
14	387.118	388.250	385.421	388.508	388.534	388.359	388.347	388.258	388.267	388.261	388.230	387.874	14
15	387.094	388.218	385.438	388.488	388.508	388.364	388.348	388.248	388.287	388.285	388.225	387.854	15
16	387.067	388.182	385.468	388.488	388.808	388.358	388.342	388.248	388.267	388.267	388.218	387.838	16
17	387.037	388.158	385.458	388.464	388.571	388.363	388.341	388.258	388.288	388.283	388.210	387.824	17
18	387.008	388.130	385.422	388.441	388.542	388.361	388.342	388.268	388.285	388.302	388.201	387.808	18
19	386.981	388.100	385.383	388.422	388.558	388.362	388.342	388.268	388.283	388.309	388.190	387.781	19
20	386.952	388.070	385.371	388.408	388.548	388.360	388.341	388.274	388.288	388.318	388.178	387.778	20
21	386.924	388.040	385.373	388.412	388.518	388.350	388.342	388.284	388.288	388.321	388.184	387.757	21
22	386.898	388.008	385.401	388.413	388.488	388.353	388.344	388.324	388.273	388.321	388.182	387.743	22
23	386.875	385.971	385.453	388.425	388.474	388.350	388.338	388.327	388.270	388.318	388.140	387.738	23
24	386.850	385.937	385.473	388.423	388.453	388.348	388.332	388.341	388.268	388.318	388.132	387.733	24
25	386.821	385.909	385.423	388.408	388.438	388.350	388.338	388.342	388.271	388.321	388.126	387.709	25
26	386.792	385.878	385.385	388.400	388.428	388.350	388.330	388.340	388.277	388.322	388.118	387.688	26
27	386.768	385.847	385.401	388.397	388.422	388.338	388.328	388.337	388.281	388.332	388.104	387.663	27
28	386.736	385.821	385.418	388.472	388.418	388.331	388.324	388.335	388.293	388.330	388.092	387.658	28
29	386.708	385.807	385.428	388.542	388.408	388.335	388.318	388.332	388.318	388.328	388.078	387.658	29
30	386.685		385.430	388.551	388.407	388.337	388.311	388.332	388.330	388.324	388.068	387.643	30
31	386.658		385.476		388.412		388.318	388.330		388.328		387.632	31
MEAN	387.080	388.214	385.504	388.138	388.618	388.382	388.328	388.284	388.288	388.318	388.211	387.842	MEAN
MAX	387.438	388.626	385.774	388.680	388.933	388.418	388.388	388.342	388.330	388.338	388.324	388.048	MAX
MIN	386.658	385.807	385.371	385.497	388.407	388.331	388.311	388.245	388.283	388.288	388.068	387.632	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 387.788
MAXIMUM DAILY, 389.333 ON MAY 3
MINIMUM DAILY, 385.371 ON MAR 20
MAXIMUM INSTANTANEOUS,
389.448 AT 03:11 CST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 45 N
LONG 100 10 05 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1979

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VERMILION RIVER NEAR DAUPHIN - STATION NO. 05LJ012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.233B	0.823B	8.06	1.88	0.102	0.015	0.003	0	---	---	1
2	---	---	0.083B	2.15 B	15.8	1.80	0.093	0.014	0.003	0	---	---	2
3	---	---	0.038B	12.3 B	46.6	1.57	0.077	0.015	0.002	0	---	---	3
4	---	---	0.060B	7.88 B	43.4	1.30	0.088	0.014	0.001	0	---	---	4
5	---	---	0.078B	4.83 B	23.6	1.08	0.089	0.014	0.002	0	---	---	5
6	---	---	0.138B	4.82 B	16.1	0.887	0.088	0.013	0.001	0	---	---	6
7	---	---	0.150B	10.3 B	14.8	0.732	0.262	0.013	0.001	0	---	---	7
8	---	---	0.137B	8.77	23.1	0.613	0.122	0.011	0	0	---	---	8
9	---	---	0.214B	6.12	20.8	0.534	0.197	0.008	0	0	---	---	9
10	---	---	0.300B	4.82	13.6	0.498	0.274	0.008	0.001	0	---	---	10
11	---	---	0.174B	4.48	9.34	0.507	0.218	0.008	0.001	0	---	---	11
12	---	---	0.135B	4.05	8.89	0.480	0.159	0.007	0.002	0	---	---	12
13	---	---	0.108B	4.05	8.98	0.492	0.174	0.007	0.002	0	---	---	13
14	---	---	0.109B	3.88	8.18	0.466	0.127	0.006	0.001	0	---	---	14
15	---	---	0.080B	3.04	8.24	0.513	0.148	0.011	0.001	0	---	---	15
16	---	---	0.062B	2.82	7.72	0.428	0.106	0.012	0.001	0	---	---	16
17	---	---	0.151B	2.18	8.72	0.430	0.086	0.034	0.001	0.007	---	---	17
18	---	---	0.142B	1.79	8.58	0.448	0.086	0.037	0.001	0.015	---	---	18
19	---	---	0.107B	1.62	8.56	0.377	0.067	0.021	0.001	0.020	---	---	19
20	---	---	0.039B	1.26	8.41	0.336	0.059	0.018	0.001	0.021	---	---	20
21	---	---	0.077B	1.05	4.58	0.279	0.048	0.017	0.001	0.015	---	---	21
22	---	---	0.161B	0.850	3.48	0.226	0.042	0.028	0.002	0.001	---	---	22
23	---	---	0.256B	0.659	3.26	0.190	0.036	0.021	0.001	0.003	---	---	23
24	---	---	0.521B	0.882	2.79	0.162	0.032	0.015	0.001	0.004	---	---	24
25	---	---	0.246B	0.858	2.52	0.170	0.030	0.011	0.001	0.004	---	---	25
26	---	---	0.403B	0.835	2.08	0.157	0.028	0.008	0.007	0.005	---	---	26
27	---	---	0.307B	0.802	1.97	0.139	0.034	0.008	0.012	0.005	---	---	27
28	---	---	0.228B	1.10	1.78	0.130	0.028	0.004	0.008	0.005	---	---	28
29	---	---	0.168B	3.46	1.62	0.123	0.026	0.004	0.001	0.005	---	---	29
30	---		0.295B	4.86	1.55	0.101	0.021	0.003	0	0.004	---	---	30
31	---		0.236B		1.77		0.019	0.003		0.007A		---	31
TOTAL	---	---	5.491	108.456	314.02	16.809	2.878	0.406	0.080	0.121	---	---	TOTAL
MEAN	---	---	0.177	3.85	10.1	0.554	0.093	0.013	0.002	0.004	---	---	MEAN
MAX	---	---	0.521	12.3	46.6	1.88	0.274	0.037	0.012	0.021	---	---	MAX
MIN	---	---	0.038	0.823	1.55	0.101	0.019	0.003	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.82
MAXIMUM DAILY, 46.6 ON MAY 3
MINIMUM DAILY, 0 ON SEP 6
MAXIMUM INSTANTANEOUS,
50.2 AT 01:42 CST ON MAY 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 00 N
LONG 100 00 45 W
DRAINAGE AREA, 874 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1970

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	248
FEB	---	AUG	38.3
MAR	474	SEP	5.18
APR	9 200	OCT	10.5
MAY	27 100	NOV	---
JUN	1 440	DEC	---

TOTAL DISCHARGE, 38 600 dam³

WANIPIGOW LAKE NEAR BISSETT (CAMPGROUND) - STATION NO. 05RA802

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	230.57B	230.36B	---	230.15BE	---	---	---	1
2	---	---	---	---	---	230.57BE	230.36BE	---	230.18B	---	---	---	2
3	---	---	---	---	---	230.57B	230.33IE	---	---	---	---	---	3
4	---	---	---	---	---	230.57BE	230.31B	---	---	---	---	---	4
5	---	---	---	---	---	230.57BE	230.30BE	---	---	---	---	---	5
6	---	---	---	---	---	230.57B	230.29B	---	---	---	---	---	6
7	---	---	---	---	---	230.56BE	230.31BE	---	---	---	---	---	7
8	---	---	---	---	---	230.55B	230.32B	---	---	---	---	---	8
9	---	---	---	---	---	230.53BE	230.33IE	230.20B	---	---	---	---	9
10	---	---	---	---	---	230.51B	230.32BE	230.18B	---	---	---	---	10
11	---	---	---	---	---	230.51IE	230.31B	230.18BE	---	---	---	---	11
12	---	---	---	---	---	230.50BE	230.31BE	230.18B	---	---	---	---	12
13	---	---	---	---	---	230.48B	230.31B	230.18BE	---	---	---	---	13
14	---	---	---	---	---	230.48BE	230.31BE	230.18BE	---	---	---	---	14
15	---	---	---	---	---	230.47B	230.31B	230.18B	---	---	---	---	15
16	---	---	---	---	---	230.45BE	230.31IE	230.18BE	---	---	---	---	16
17	---	---	---	---	---	230.43B	230.30BE	230.16B	---	---	---	---	17
18	---	---	---	---	---	230.41BE	230.29B	230.13BE	---	230.38B	---	---	18
19	---	---	---	---	---	---	230.28BE	230.12B	---	---	---	---	19
20	---	---	---	---	230.84B	230.37B	230.29B	230.12IE	---	---	---	---	20
21	---	---	---	---	230.84BE	230.37BE	230.29BE	230.13BE	---	---	---	---	21
22	---	---	---	---	230.85BE	230.37B	230.29B	230.14B	---	---	---	---	22
23	---	---	---	---	230.86B	230.37BE	---	230.13BE	---	---	---	---	23
24	---	---	---	---	230.85BE	230.37B	---	230.12B	---	---	---	---	24
25	---	---	---	---	230.84B	230.37IE	---	230.14BE	---	---	---	---	25
26	---	---	---	---	230.84BE	230.36BE	---	230.15B	---	---	---	---	26
27	---	---	---	---	230.83B	230.35B	---	230.16BE	---	---	---	---	27
28	---	---	---	---	230.82BE	230.35BE	---	230.16BE	---	---	---	---	28
29	---	---	---	---	230.81IE	230.35B	---	230.15B	---	---	---	---	29
30	---		---	---	230.89B	230.35BE	---	230.15BE	---	---	---	---	30
31	---		---		230.88BE		---	230.14B		---		---	31
MEAN	---	---	---	---	---	230.48B	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	230.57B	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	230.35B	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 05 28 N
LONG 95 59 09 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1917

DRAINAGE AREA,
1 430 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WASKADA CREEK NEAR CRANMER - STATION NO. 05HF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0088	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0088	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.1008	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.087	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.021	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.008	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.002	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.001	0	0	0	0	0	0	---	---	8
9	---	---	0.0088	0	0	0	0	0	0	0	---	---	9
10	---	---	0.0188	0	0	0	0	0	0	0	---	---	10
11	---	---	0.0088	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.0048	0	0	0	0	0	0	0	---	---	22
23	---	---	0.0218	0	0	0	0	0	0	0	---	---	23
24	---	---	0.0288	0	0	0	0	0	0	0	---	---	24
25	---	---	0.0038	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0	0	0	0	0	0	0	---	---	29
30	---	---	0 B	0	0	0	0	0	0	0	---	---	30
31	---		0.0018		0		0	0		0		---	31
TOTAL	---	---	0.087	0.224	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.003	0.007	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.028	0.100	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.1008 ON APR 3
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.1468 AT 10:07 CST ON APR 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 40 N
LONG 100 43 50 W
DRAINAGE AREA, 104 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	7.52	SEP	0
APR	19.4	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 26.9 dam³

WATERHEN LAKE AT SKOWMAN - STATION NO. 05LH005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	251.889	251.884	---	---	252.129	252.526	252.356	252.243	252.174	252.087	251.888A	251.918A	1
2	251.871	251.884	---	---	252.172	252.506	252.353	252.251	252.182	252.080	251.885	251.913	2
3	251.871	251.882	---	---	252.211	252.488	252.306	252.228	252.163	252.080	251.948	251.913	3
4	251.874	251.881A	---	---	252.231	252.462	252.287	252.216	252.171	252.023	251.948	251.912	4
5	251.878	---	---	---	252.290	252.463	252.303	252.206	252.138	252.011	251.950	251.913	5
6	251.882	---	---	---	252.297	252.484	252.287	252.206	252.111	252.029	251.951	251.914	6
7	251.887	---	---	---	252.251	252.508	252.361	252.216	252.093	252.031	251.942	251.910	7
8	251.948	---	---	---	252.386	252.463	252.303	252.178	252.108	252.025	251.932	251.908A	8
9	251.968	---	---	---	252.389	252.422	252.350	252.188	252.141	252.056	251.932	---	9
10	251.980	---	---	---	252.394A	252.431	252.379	252.182	252.122	252.057	251.928	---	10
11	251.982	---	---	---	252.421	252.451	252.350	252.181	252.138	252.011	251.928	---	11
12	251.988	---	---	---	252.470	252.484	252.327	252.171	252.087	251.976	251.918A	---	12
13	251.989	---	---	---	252.410	252.468	252.352	252.187	252.116	251.988	---	---	13
14	251.991	---	---	---	252.448	252.482	252.333	252.158	252.088	252.004	---	---	14
15	251.990	---	---	---	252.481	252.481	252.343	252.182	252.093	252.008	---	---	15
16	251.987	---	---	---	252.440	252.414	252.328	252.168	252.078	252.024	---	---	16
17	251.987	---	---	---	252.427	252.426	252.342	252.174	252.111	252.008	---	---	17
18	251.984	---	---	---	252.478	252.430	252.327	252.161	252.118	252.008	---	---	18
19	251.982	---	---	---	252.467	252.434	252.347	252.164	252.128	251.990	---	---	19
20	251.981	---	---	---	252.481	252.418	252.334	252.178	252.078	252.020	---	---	20
21	251.979	---	---	251.827	252.468	252.447	252.318	252.188	252.025	252.008	---	---	21
22	251.980	---	---	251.881	252.486	252.424	252.296	252.184	252.080	251.980	---	---	22
23	251.981	---	---	251.898	252.503	252.406	252.315	252.208	252.087	252.008	---	---	23
24	251.981	---	251.635A	251.948	252.482	252.432	252.293	252.258	252.077	252.030	---	---	24
25	251.978	251.698A	---	251.988	252.467	252.411	252.298	252.238	252.080	252.028	---	---	25
26	251.978	---	---	251.978	252.478	252.393	252.282	252.238	252.080	251.981	---	---	26
27	251.978	---	---	251.988	252.480	252.388	252.288	252.251	252.080	252.018A	---	---	27
28	251.978	---	---	252.021	252.467	252.393	252.282	252.218	252.028	252.008E	---	---	28
29	251.972	---	---	252.051	252.462	252.362	252.280	252.188	252.029	251.980E	---	---	29
30	251.970		---	252.084	252.467	252.350	252.241	252.188	252.068	251.980E	---	---	30
31	251.967		---		252.498		252.257	252.184		251.970E		---	31
MEAN	251.981	---	---	---	252.410	252.441	252.339	252.196	252.100	252.017	---	---	MEAN
MAX	251.992	---	---	---	252.503	252.526	252.390	252.258	252.182	252.080	---	---	MAX
MIN	251.967	---	---	---	252.129	252.350	252.241	252.161	252.039	251.950	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 252.526 ON JUN 1

MAXIMUM INSTANTANEOUS,
252.598 AT 23:24 CST ON MAY 22

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 20 N
LONG 99 35 20 W

A - MANUAL GAUGE

E - ESTIMATED

WATERHEN RIVER NEAR WATERHEN - STATION NO. 05LH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	41.78	33.08	10.48	13.88	1488	187	148	128	118	103	84.3	82.18	1
2	40.88	32.18	10.38	13.38	1448	188	148	128	122	98.8	78.4	83.48	2
3	37.28	31.08	10.48	14.78	143	187	148	128	120	118	81.8	82.88	3
4	33.48	19.88	10.28	17.48	144	178	182	122	118	93.3	83.4	81.88	4
5	32.48	18.78	10.18	17.08	142	178	148	117	111	87.4	83.3	80.88	5
6	32.68	17.68	10.38	16.58	146	178	148	130	102	81.7	78.7	48.88	6
7	31.88	17.18	10.28	16.88	161	187	146	128	84.1	84.1	78.8	47.78	7
8	31.88	18.48	10.28	18.88	183	178	148	117	106	81.3	81.3	44.38	8
9	31.88	15.78	10.28	19.48	187	188	188	107	120	87.8	83.3	48.88	9
10	32.48	14.88	10.88	18.48	147	171	187	117	108	108	81.1	48.28	10
11	33.38	13.88	10.88	23.48	170	185	147	117	112	91.2	88.7	43.48	11
12	38.48	12.78	10.78	32.08	190	178	137	118	104	81.0	78.2	43.88	12
13	33.38	12.38	10.88	47.88	182	180	148	114	108	84.4	78.4	44.18	13
14	33.18	12.48	10.88	84.38	188	178	141	111	101	88.3	88.8	41.78	14
15	32.48	11.88	10.88	82.78	198	178	148	113	93.7	91.8	77.7	38.48	15
16	31.88	11.78	10.38	88.88	178	180	144	118	87.8	88.2	70.88	38.88	16
17	31.18	11.88	10.48	110 B	188	180	144	117	104	80.7	88.88	38.38	17
18	30.88	11.48	10.38	130 B	178	184	144	118	113	80.8	81.38	37.88	18
19	30.38	11.48	10.88	133 B	188	188	148	111	118	88.3	88.28	37.88	19
20	28.88	11.48	10.48	138 B	188	181	144	113	104	88.8	88.88	37.88	20
21	28.18	11.48	10.48	138 B	182	171	138	118	81.8	87.8	88.78	37.28	21
22	28.78	11.28	10.88	134 B	184	187	134	122	82.8	88.1	88.88	37.18	22
23	28.88	10.88	10.88	188 B	181	188	138	133	87.1	110	88.48	36.88	23
24	28.88	10.88	11.38	138 B	184	187	138	130	88.8	100	88.88	36.88	24
25	27.88	10.88	12.38	138 B	178	184	137	132	88.8	103	88.88	34.38	25
26	28.78	10.48	12.88	142 B	181	184	134	138	88.8	78.3	88.88	34.18	26
27	28.08	10.18	13.88	148 B	187	180	128	138	88.8	88.3	87.18	34.18	27
28	28.48	10.18	13.48	147 B	184	184	138	128	82.3	78.8	88.18	33.18	28
29	28.08	10.48	13.28	147 B	188	144	134	118	88.7	80.3	88.38	32.88	29
30	24.48		13.88	148 B	178	143	138	108	83.8	83.8	84.38	32.48	30
31	23.78		13.18		181		128	118		84.8		32.08	31
TOTAL	958.3	402.8	341.1	2 438.1	5 278	5 088	4 408	3 698	3 134.1	2 851.0	2 088.8	1 274.8	TOTAL
MEAN	30.9	13.8	11.0	81.0	170	188	142	119	104	82.0	88.8	41.1	MEAN
MAX	41.7	33.0	13.4	148	198	187	188	138	122	118	84.3	83.4	MAX
MIN	23.7	10.1	10.1	12.8	142	143	128	108	88.7	88.1	84.2	32.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 87.1
MAXIMUM DAILY, 187 ON JUN 1
MINIMUM DAILY, 10.18 ON FEB 27
MAXIMUM INSTANTANEOUS,
227 AT 18:28 CST ON MAY 12

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 10 N
LONG 98 33 80 W
DRAINAGE AREA, 85 100 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	82 800	JUL	381 000
FEB	34 800	AUG	318 000
MAR	28 800	SEP	270 000
APR	210 000	OCT	248 000
MAY	456 000	NOV	178 000
JUN	437 000	DEC	110 000

TOTAL DISCHARGE, 2 760 000 dam³

WEAVER LAKE AT OUTLET - STATION NO. 05RE002

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	27.938	27.885	27.880	27.888	28.100	28.041	28.282	27.953	27.798	27.734	27.730	27.717	1
2	27.938	27.883	27.888	27.887	28.120	28.080	28.248	27.888	27.803	27.731	27.731	27.717	2
3	27.938	27.880	27.888	27.888	28.138	28.071	28.238	27.933	27.788	27.738	27.731	27.714	3
4	27.933	27.880	27.880	27.877	28.157	28.084	28.228	27.938	27.788	27.739	27.728	27.718	4
5	27.930	27.878	27.888	27.888	28.181	28.081	28.240	27.933	27.781	27.738	27.728	27.714	5
6	27.927	27.878	27.881	27.901	28.208	28.082	28.208	27.931	27.763	27.738	27.728	27.713	6
7	27.927	27.877	27.888	27.913	28.238	28.030	28.188	27.872	27.781	27.748	27.727	27.712	7
8	27.924	27.877	27.888	27.928	28.274	28.082	28.181	27.882	27.733	27.748	27.727	27.710	8
9	27.922	27.872	27.888	27.938	28.300	28.082	28.138	27.887	27.737	27.704	27.727	27.708	9
10	27.920	27.871	27.884	27.988	28.334	28.041	28.188	27.874	27.778	27.718	27.727	27.708	10
11	27.918	27.871	27.848	27.988	28.350	28.038	28.181	27.877	27.787	27.735	27.726	27.708	11
12	27.912	27.870	27.848	27.984	28.372	28.018	28.138	27.871	27.782	27.742	27.727	27.713	12
13	27.910	27.870	27.847	27.978	28.383	28.003	28.147	27.881	27.713	27.734	27.727	27.711	13
14	27.910	27.888	27.847	27.978	28.438	28.007	28.135	27.882	27.780	27.738	27.728	27.708	14
15	27.909	27.887	27.848	27.988	28.488	28.483	28.118	27.843	27.788	27.734	27.728	27.708	15
16	27.907	27.888	27.843	27.988	28.433	28.487	28.107	27.881	27.788	27.731	27.728	27.707	16
17	27.905	27.888	27.843	28.002	28.454	28.488	28.093	27.887	27.783	27.734	27.728	27.707	17
18	27.901	27.871	27.838	28.008	28.448	28.482	28.100	27.822	27.788	27.728	27.728	27.707	18
19	27.901	27.870	27.837	28.015	28.467	28.387	28.097	27.814	27.787	27.728	27.728	27.707	19
20	27.898	27.885	27.838	28.020	28.482	28.422	28.088	27.818	27.748	27.718	27.728	27.704	20
21	27.888	27.888	27.838	28.023	28.482	28.408	28.081	27.848	27.742	27.714	27.727	27.708	21
22	27.888	27.887	27.841	28.032	28.485	28.388	28.078	27.818	27.733	27.788	27.728	27.707	22
23	27.884	27.888	27.841	28.038	28.502	28.403	28.048	27.802	27.728	27.698	27.728	27.707	23
24	27.882	27.888	27.841	28.043	28.508	28.371	28.043	27.788	27.733	27.708	27.728	27.708	24
25	27.888	27.882	27.881	28.080	28.483	28.348	28.044	27.788	27.731	27.707	27.734	27.711	25
26	27.888	27.884	27.888	28.088	28.480	28.348	28.031	27.808	27.748	27.738	27.733	27.708	26
27	27.888	27.884	27.883	28.085	28.508	28.347	28.021	27.784	27.743	27.733	27.718	27.708	27
28	27.888	27.883	27.888	28.072	28.503	28.338	28.023	27.808	27.748	27.738	27.718	27.707	28
29	27.887	27.888	27.888	28.082	28.503	28.312	28.018	27.818	27.734	27.738	27.718	27.707	29
30	27.884		27.884	28.088	28.518	28.282	27.988	27.821	27.738	27.738	27.718	27.707	30
31	27.883		27.888		28.537		27.938	27.810		27.738		27.708	31
MEAN	27.908	27.871	27.881	27.981	28.381	28.187	28.113	27.858	27.758	27.728	27.728	27.708	MEAN
MAX	27.938	27.888	27.888	28.088	28.537	28.838	28.282	27.888	27.803	27.788	27.731	27.717	MAX
MIN	27.883	27.888	27.838	27.888	28.100	28.383	27.938	27.784	27.713	27.888	27.718	27.704	MIN

WATER LEVELS IN METRES

MEAN, 27.948
MAXIMUM DAILY, 28.838 ON JUN 7
MINIMUM DAILY, 27.888 ON OCT 23
MAXIMUM INSTANTANEOUS,
28.883 AT 18:84 CST ON JUN 7

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 48 40 N
LONG 98 48 10 W

NATURAL FLOW

WEIR RIVER ABOVE THE MOUTH - STATION NO. 05UH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.42B	1.07 B	0.930B	0.830B	1.00B	93.3A	33.0	18.1	17.6	12.2	9.00B	6.00B	1
2	1.41B	1.06 B	0.930B	0.830B	1.15B	92.4	28.6	18.7	18.5	11.8	8.97B	5.90B	2
3	1.41B	1.06 B	0.930B	0.830B	1.35B	87.5	30.2	18.8	18.4	11.5	8.94B	5.80B	3
4	1.40B	1.05 B	0.920B	0.830B	1.73B	82.8	33.0	17.1	14.3	11.4	8.88B	5.70B	4
5	1.40B	1.05 B	0.920B	0.830B	2.10B	77.8	38.7	17.1	13.2	11.1	8.82B	5.50B	5
6	1.38B	1.04 B	0.920B	0.820B	4.60B	73.5	38.7	18.8	12.8	10.6	8.76B	5.35B	6
7	1.38B	1.03 B	0.910B	0.820B	18.7 B	68.4	38.7	18.8	12.3	10.5	8.70B	5.20B	7
8	1.37B	1.02 B	0.910B	0.820B	34.0 B	63.6	39.7	18.8	11.3	10.2	8.60B	5.10B	8
9	1.37B	1.01 B	0.910B	0.820B	57.8 B	58.0	41.1	15.3	10.4	9.95	8.54B	4.90B	9
10	1.37B	1.00 B	0.900B	0.820B	85.6 B	55.1	47.3	18.7	9.78	9.72	8.50B	4.80B	10
11	1.35B	1.00 B	0.900B	0.820B	114 B	50.7	53.1	20.1	9.43	9.38	8.25B	4.70B	11
12	1.35B	0.990B	0.900B	0.820B	134 B	46.5	55.6	23.2	9.69	9.21	8.20B	4.50B	12
13	1.33B	0.990B	0.880B	0.820B	135 B	43.9	53.3	28.6	10.2	9.10	8.14B	4.40B	13
14	1.27B	0.990B	0.880B	0.820B	134 B	41.5	46.6	26.8	10.3	8.98	8.08B	4.30B	14
15	1.23B	0.980B	0.880B	0.820B	121 B	38.1	43.1	28.1	10.8	8.78	8.00B	4.20B	15
16	1.20B	0.980B	0.880B	0.820B	124 B	36.9	37.8	22.9	10.8	8.57	7.90B	4.10B	16
17	1.19B	0.980B	0.880B	0.820B	118	34.3	33.2	20.8	10.4	8.34	7.80B	4.00B	17
18	1.18B	0.970B	0.880B	0.820B	107 A	31.8	28.7	19.3	10.3	8.13	7.65B	3.90B	18
19	1.17B	0.970B	0.870B	0.820B	110 E	33.3	28.7	17.7	10.0	7.98	7.50B	3.70B	19
20	1.16B	0.970B	0.870B	0.820B	119 E	52.9	24.8	18.3	9.83	7.78	7.40B	3.60B	20
21	1.15B	0.950B	0.870B	0.820B	133 E	84.4	22.9	15.0	9.72	8.14	7.30B	3.50B	21
22	1.14B	0.950B	0.860B	0.820B	144 E	85.2	21.7	14.0	9.87	8.20B	7.15B	3.30B	22
23	1.12B	0.950B	0.860B	0.820B	130 E	80.1	20.6	13.2	10.1	8.18B	7.00B	3.20B	23
24	1.12B	0.950B	0.860B	0.820B	133 E	73.0	18.2	13.6	11.2	8.15B	6.80B	3.10B	24
25	1.11B	0.950B	0.860B	0.820B	127 E	65.7	17.7	14.2	12.3	8.14B	6.80B	3.00B	25
26	1.10B	0.950B	0.850B	0.820B	121 E	56.3	15.5	14.8	12.8	8.13B	6.70B	2.80B	26
27	1.08B	0.940B	0.850B	0.820B	117 E	51.1	15.9	16.7	13.0	8.10B	6.60B	2.70B	27
28	1.08B	0.940B	0.840B	0.820B	113 E	45.0	15.1	17.2	12.9	8.08B	6.50B	2.60B	28
29	1.08B	0.940B	0.840B	0.850B	106 E	40.5	14.7	16.5	12.7	8.06B	6.25B	2.52B	29
30	1.08B		0.840B	0.950B	103 E	36.7	14.8	18.3	12.8	8.04B	6.10B	2.45B	30
31	1.07B		0.830B		98.0 E		13.6	19.0		8.02B		2.35B	31
TOTAL	38.50	28.760	27.380	24.810	2 744.83	1 784.6	967.7	554.9	351.48	285.73	234.01	127.17	TOTAL
MEAN	1.24	0.992	0.883	0.827	88.5	59.5	31.2	17.9	11.7	9.22	7.80	4.10	MEAN
MAX	1.43	1.07	0.930	0.950	144	93.3	55.6	28.6	17.6	12.2	9.00	6.00	MAX
MIN	1.07	0.940	0.830	0.820	1.00	31.8	13.6	13.2	9.43	7.78	6.10	2.35	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.6
MAXIMUM DAILY, 144E ON MAY 22
MINIMUM DAILY, 0.820B ON APR 6

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 01 33 N
LONG 93 26 54 W
DRAINAGE AREA, 2 250 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 330	JUL	83 600
FEB	2 480	AUG	47 900
MAR	2 370	SEP	30 400
APR	2 140	OCT	24 700
MAY	237 000	NOV	20 200
JUN	154 000	DEC	11 000

TOTAL DISCHARGE, 621 000 dam^3

WEST HAWK LAKE AT WEST HAWK LAKE (CAMPGROUND) - STATION NO. 05PG003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	332.266	332.218	332.478	---	---	---	---	1
2	---	---	---	---	---	332.268	332.218	332.471	---	---	---	---	2
3	---	---	---	---	---	332.266	332.220	332.470	---	---	---	---	3
4	---	---	---	---	332.248	332.268	332.221	332.485	---	---	332.308	---	4
5	---	---	---	---	---	332.266E	332.224	332.468	---	---	---	---	5
6	---	---	---	---	---	332.268	332.213	332.468	---	332.287	---	---	6
7	---	---	---	---	---	332.265	332.278	332.468	---	---	---	---	7
8	---	---	---	---	---	332.260	332.450	332.468	---	---	---	---	8
9	---	---	---	---	---	332.256	332.460	332.448	---	---	---	---	9
10	---	---	---	---	---	332.252E	332.460	332.436	---	---	---	---	10
11	---	---	---	---	---	332.248	332.450	332.447	---	---	---	---	11
12	---	---	---	---	---	---	332.436	332.436	---	---	---	---	12
13	---	---	---	---	---	---	332.440	332.446	---	---	---	---	13
14	---	---	---	---	---	---	332.440	332.407	---	---	---	---	14
15	---	---	---	---	332.265	---	332.440	332.408	---	---	---	---	15
16	---	---	---	---	332.270	---	332.440	332.408	---	---	---	---	16
17	---	---	332.131	---	332.271	---	332.450	332.408	---	---	---	---	17
18	---	---	---	---	332.271	---	332.460	332.405	---	---	---	---	18
19	---	---	---	---	332.272	332.272	332.460E	332.400	332.320	---	---	---	19
20	---	---	---	---	332.273	332.273	332.460	332.404	---	---	---	---	20
21	---	---	---	332.231	332.273	332.258E	332.460	332.401	---	---	---	---	21
22	---	---	---	---	332.271	332.243	332.460	332.424	---	---	---	---	22
23	---	---	---	---	332.276	332.237	332.455	332.414	---	---	---	---	23
24	---	---	---	---	332.273	332.230	332.465	332.412	---	---	---	---	24
25	---	---	---	---	332.271	332.230	332.457E	332.412	---	---	---	---	25
26	---	---	---	---	332.277	332.242	332.455	---	---	---	---	---	26
27	---	---	---	---	332.277	332.238	332.457	---	---	---	---	---	27
28	---	---	---	---	332.278	332.236	332.461	---	---	---	---	---	28
29	---	---	---	---	332.287	332.234E	332.468	---	---	---	---	---	29
30	---		---	---	332.287	332.237	332.478	---	---	---	---	---	30
31	---		---		332.287		332.470	---		---		---	31
MEAN	---	---	---	---	---	---	332.411	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	332.480	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	332.219	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 44 46 N
LONG 95 12 41 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1958

DRAINAGE AREA, 154 km^2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WEST SQUIRREL CREEK NEAR AUSTIN - STATION NO. 05LL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0718	0.6318	0.088	0.118	0.050	0.048	0.018	0.088	---	---	1
2	---	---	0.0718	0.5338	0.180	0.098	0.040	0.057	0.018	0.083	---	---	2
3	---	---	0.0718	0.4828	0.337	0.078	0.038	0.088	0.018	0.084	---	---	3
4	---	---	0.0688	0.8108	0.210	0.063	0.033	0.078	0.018	0.087	---	---	4
5	---	---	0.1348	0.9778	0.248	0.048	0.088	0.042	0.018	0.088	---	---	5
6	---	---	0.1148	0.9788	0.738	0.042	0.137	0.033	0.017	0.088	---	---	6
7	---	---	0.0818	0.7448	0.376	0.038	0.807	0.028	0.018	0.088	---	---	7
8	---	---	0.0828	0.8388	0.888	0.036	0.410	0.022	0.018	0.088	---	---	8
9	---	---	0.0888	0.4838	0.888	0.036	0.238	0.021	0.018	0.073	---	---	9
10	---	---	0.1068	0.4088	0.880	0.031	0.128	0.020	0.018	0.087	---	---	10
11	---	---	0.0748	0.3818	0.807	0.028	0.073	0.018	0.033	0.082	---	---	11
12	---	---	0.0698	0.3648	0.480	0.028	0.088	0.017	0.228	0.081	---	---	12
13	---	---	0.1128	0.3488	0.384	0.022	0.148	0.017	0.223	0.088	---	---	13
14	---	---	0.1008	0.3138	0.428	0.034	0.182	0.018	0.087	0.071	---	---	14
15	---	---	0.0798	0.2008	0.388	0.020	0.107	0.019	0.043	0.088	---	---	15
16	---	---	0.0718	0.2418	0.387	0.027	0.078	0.018	0.037	0.088	---	---	16
17	---	---	0.0888	0.1908	0.378	0.024	0.088	0.022	0.038	0.081	---	---	17
18	---	---	0.0878	0.1778	0.283	0.023	0.043	0.038	0.038	0.071	---	---	18
19	---	---	0.0878	0.148	0.218	0.022	0.041	0.028	0.088	0.070	---	---	19
20	---	---	0.0888	0.107	0.200	0.018	0.048	0.028	0.182	0.087	---	---	20
21	---	---	0.0888	0.088	0.233	0.017	0.040	0.142	0.102	0.087	---	---	21
22	---	---	0.0888	0.081	0.207	0.014	0.038	0.080	0.082	0.087	---	---	22
23	---	---	0.0718	0.074	0.178	0.013	0.033	0.048	0.048	0.073	---	---	23
24	---	---	0.1488	0.088	0.181	0.012	0.030	0.037	0.038	0.088	---	---	24
25	---	---	0.1008	0.088	0.133	0.021	0.028	0.031	0.038	0.088	---	---	25
26	---	---	0.1088	0.070	0.818	0.037	0.028	0.028	0.044	0.088	---	---	26
27	---	---	0.2138	0.073	0.170	0.121	0.023	0.028	0.037	0.110	---	---	27
28	---	---	0.3288	0.074	0.108	0.108	0.020	0.024	0.082	0.118	---	---	28
29	---	---	0.3788	0.114	0.088	0.188	0.018	0.023	0.087	0.088	---	---	29
30	---		0.3188	0.088	0.077	0.078	0.017	0.023	0.088	0.088	---	---	30
31	---		0.3328		0.113		0.016	0.020		0.070		---	31
TOTAL	---	---	3.883	9.803	9.878	1.380	3.729	1.188	1.748	2.128	---	---	TOTAL
MEAN	---	---	0.128	0.320	0.312	0.048	0.088	0.037	0.058	0.088	---	---	MEAN
MAX	---	---	0.378	0.977	0.888	0.131	0.807	0.142	0.228	0.118	---	---	MAX
MIN	---	---	0.087	0.088	0.077	0.012	0.016	0.017	0.018	0.083	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.133
MAXIMUM DAILY, 0.977B ON APR 5
MINIMUM DAILY, 0.012 ON JUN 24
MAXIMUM INSTANTANEOUS,
1.38B AT 17:33 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 96 58 50 W
DRAINAGE AREA, 138 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	338
FEB	---	AUG	88.8
MAR	344	SEP	151
APR	830	OCT	184
MAY	838	NOV	---
JUN	118	DEC	---

TOTAL DISCHARGE, 2 800 dam³

WHITE LAKE AT WHITE LAKE CAMPGROUND - STATION NO. 05PC011

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	305.840E	305.841	305.734E	305.710	---	---	---	1
2	---	---	---	---	---	305.838E	305.839E	305.733E	305.709E	---	---	---	2
3	---	---	---	---	---	305.839E	305.838E	305.731E	305.708E	---	---	---	3
4	---	---	---	---	---	305.836	305.834	305.730	305.708E	---	305.848	---	4
5	---	---	---	---	---	305.839E	305.881E	305.729E	305.708E	---	---	---	5
6	---	---	---	---	---	305.839	305.847	305.727E	305.704	305.724	---	---	6
7	---	---	---	---	---	---	305.702	305.728	305.708E	---	---	---	7
8	---	---	---	---	---	---	305.888E	305.724E	305.707E	---	---	---	8
9	---	---	---	---	---	---	305.870	305.721E	305.708E	---	---	---	9
10	---	---	---	---	305.828	---	305.888E	305.718E	305.711E	---	---	---	10
11	---	---	---	---	---	---	305.701	305.718	305.713E	---	---	---	11
12	---	---	---	---	---	---	305.708E	305.718E	305.714E	---	---	---	12
13	---	---	---	---	---	---	305.711E	305.718	305.718E	---	---	---	13
14	---	---	---	---	---	---	305.716	305.718	305.718	---	---	---	14
15	---	---	---	---	305.837	---	305.717E	305.718E	305.723E	---	---	---	15
16	---	---	305.848	---	---	305.818	305.718	305.713E	305.727E	---	---	---	16
17	---	---	---	305.852	---	305.820E	305.727E	305.712	305.732E	305.725	---	---	17
18	---	---	---	---	---	305.824	305.736	305.710E	305.738E	---	---	---	18
19	---	---	---	---	---	305.823E	305.738E	305.708E	305.741	---	---	---	19
20	---	---	---	---	---	305.823E	305.738E	305.708	---	---	---	---	20
21	---	---	---	---	---	305.822	305.738E	305.708E	---	---	---	---	21
22	---	---	---	---	---	305.808E	305.734E	305.708	---	---	---	---	22
23	---	---	---	---	---	305.880E	305.734E	305.707E	---	---	---	---	23
24	---	---	---	---	---	305.874E	305.733E	305.706	---	---	---	---	24
25	---	---	---	---	---	305.838E	305.733E	305.708E	---	---	---	---	25
26	---	---	---	---	---	---	305.842	305.732	305.710E	---	---	---	26
27	---	---	---	---	305.844	305.831E	305.733E	305.710E	---	---	---	---	27
28	---	---	---	---	---	305.818	305.734E	305.711	---	---	---	---	28
29	---	---	---	---	305.841	305.838E	305.738E	305.711E	---	---	---	---	29
30	---		---	---	305.841E	305.834E	305.736	305.711E	---	---	---	---	30
31	---		---		305.840E		305.736E	305.710E		---	---	---	31
MEAN	---	---	---	---	---	---	305.881	305.718	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	305.738	305.734	---	---	---	---	MAX
MIN	---	---	---	---	---	---	305.834	305.708	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 03 03 N
LONG 95 30 48 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1988

DRAINAGE AREA,
830 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WHITEMOUTH LAKE NEAR THE OUTLET - STATION NO. 05PH005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	344.083	343.970	343.838	343.875	343.781	343.781	---	---	1
2	---	---	---	---	344.078	343.980	343.830	343.871	343.777	343.786	---	---	2
3	---	---	---	---	344.038	343.953	343.842	343.861	343.778	343.760	---	---	3
4	---	---	---	---	344.012	343.953	343.818	343.856	343.788	343.783	---	---	4
5	---	---	---	---	344.020	343.956	343.832	343.888	343.776	343.782	---	---	5
6	---	---	---	---	344.041	343.947	343.844	343.884	343.788	343.783	---	---	6
7	---	---	---	---	344.038	343.934	343.844	343.862	343.808	343.785	---	---	7
8	---	---	---	---	344.012	343.934	343.843	343.837	343.776	343.788	---	---	8
9	---	---	---	---	343.982	343.915	343.818	343.850	343.788	343.784	---	---	9
10	---	---	---	---	344.006	343.914	343.807	343.843	343.781	343.732	---	---	10
11	---	---	---	344.087A	344.006	343.915	343.819	343.833	343.788	343.738	---	---	11
12	---	---	---	344.058	343.977	343.888	343.834	343.826	343.783	343.782	---	---	12
13	---	---	---	344.067	344.008	343.877	343.828A	343.810	343.781	343.782	---	---	13
14	---	---	---	344.058	344.016	343.867	343.836	343.817	343.788	343.782	---	---	14
15	---	---	---	344.058	343.988	343.886	343.828	343.823	343.788	343.782	---	---	15
16	---	---	---	344.058	344.000	343.907	343.828	343.833	343.788	343.748	---	---	16
17	---	---	---	344.058	344.018	343.928	343.818	343.816	343.784	343.748	---	---	17
18	---	---	---	344.058	344.023	343.918	343.817	343.820	343.788	343.748	---	---	18
19	---	---	---	344.054	343.988	343.868	343.813	343.823	343.769	343.744	---	---	19
20	---	---	---	344.051	343.992	343.951	343.908	343.828	343.744	343.763	---	---	20
21	---	---	---	344.051	343.991	343.880	343.810	343.881	343.778	343.740	---	---	21
22	---	---	---	344.051	343.992	343.858	343.816	343.827	343.780	343.781	---	---	22
23	---	---	---	344.063	343.988	343.893	343.812	343.789	343.770	343.740	---	---	23
24	---	---	---	344.067	343.983	343.863	343.888	343.783	343.776	343.731	---	---	24
25	---	---	---	344.044	344.001	343.830	343.908	343.784	343.787	343.729	---	---	25
26	---	---	---	344.048	343.978	343.857	343.891	343.804	343.775	343.736	---	---	26
27	---	---	---	344.050	343.974	343.888	343.893	343.778	343.788	343.739	---	---	27
28	---	---	---	344.052	343.962	343.884	343.902	343.788	343.788	343.736	---	---	28
29	---	---	---	344.056	343.956	343.861	343.907	343.788	343.788	343.740	---	---	29
30	---		---	344.072	343.993	343.842	343.880	343.808	343.788	343.784	---	---	30
31	---		---		343.990		343.879	343.805		343.785		---	31
MEAN	---	---	---	---	344.007	343.901	343.800	343.837	343.773	343.749	---	---	MEAN
MAX	---	---	---	---	344.093	343.970	343.844	343.881	343.808	343.781	---	---	MAX
MIN	---	---	---	---	343.974	343.830	343.818	343.778	343.744	343.728	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 344.093 ON MAY 1

MAXIMUM INSTANTANEOUS,
344.138 AT 14:00 CST ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 40 N
LONG 95 41 50 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

WHITEMOUTH RIVER NEAR WHITEMOUTH - STATION NO. 05PH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2488	0.0828	0.1388	0.8648	0.735	0.578	0.110E	5.74	0.788	0.614	0.621	0.2678	1
2	0.1868	0.0888	0.1308	2.00 E	0.883	0.480	0.098E	5.39	0.686	0.348	0.625	0.2628	2
3	0.1728	0.0888	0.1278	5.88 E	0.844	0.488	0.090E	4.81	0.586	0.284	0.650	0.2908	3
4	0.1728	0.0858	0.1268	8.21 E	0.841	0.388	0.083E	3.83	0.489	0.348	0.656	0.3318	4
5	0.1738	0.0838	0.1248	8.90 E	0.834	0.334	0.078E	3.36	0.384	0.340	0.637	0.3418	5
6	0.1488	0.0818	0.1288	9.83 E	0.838	0.273	0.110E	2.81	0.318	0.343	0.588	0.3838	6
7	0.1428	0.0838	0.1278	9.48 E	0.887	0.241	1.30 E	2.66	0.306	0.196	0.672	0.1618	7
8	0.1378	0.0808	0.1308	9.00 E	0.686	0.140	2.01 A	2.61	0.301	0.196	0.688	0.1778	8
9	0.1328	0.0788	0.1368	8.58 E	0.722	0.161	8.22	2.38	0.260	0.222	0.706	0.2868	9
10	0.1298	0.0818	0.1878	8.82 E	0.734	0.132	11.1	2.00	0.186	0.257	0.901	0.4278	10
11	0.1278	0.0788	0.1718	5.88 E	0.817	0.135	13.0	1.73	0.267	0.214	0.5248	0.5208	11
12	0.1248	0.0768	0.1738	4.83 E	0.898	0.178	11.8	1.51	0.338	0.138	0.5288	0.5288	12
13	0.1228	0.0758	0.1748	4.07 E	0.884	0.148	10.6	1.38	0.388	0.106	0.4488	0.2708	13
14	0.1198	0.0728	0.1788	3.70 E	0.883	0.283	9.39	1.18	0.370	0.128	0.4388	0.2838	14
15	0.1178	0.0758	0.1758	3.38 E	0.900	0.393	8.68	1.00	0.376	0.183	0.4778	0.2568	15
16	0.1168	0.0728	0.1788	3.10 E	0.938	0.488	8.28	0.889	0.388	0.283	0.4258	0.3488	16
17	0.1188	0.0718	0.1748	3.05 E	0.973	0.521	7.92	0.787	0.368	0.260	0.3378	0.3388	17
18	0.1178	0.0728	0.1758	2.63 A	0.884	0.578	7.38	0.738	0.337	0.267	0.2078	0.2338	18
19	0.1188	0.0698	0.1788	1.98	1.04	0.528	6.82	0.633	0.441	0.284	0.2588	0.2388	19
20	0.1178	0.0678	0.1798	1.80	1.15	0.421	6.78	0.532	0.376	0.207	0.2068	0.2188	20
21	0.1158	0.0668	0.1838	1.88	0.868	0.398	6.06	0.487	0.288	0.320	0.1718	0.2118	21
22	0.1138	0.0688	0.1868	1.48	0.882	0.226	4.82	0.486	0.337	0.278	0.1188	0.2048	22
23	0.1068	0.0678	0.2008	1.36	0.823	0.288A	4.68	0.397	0.488	0.383	0.0948	0.1978	23
24	0.1068	0.0668	0.2158	1.27	0.738	0.248E	4.48	0.382	0.773	0.383	0.0878	0.1898	24
25	0.1038	0.0678	0.2858	1.23	0.708	0.238E	3.87	1.12	0.778	0.387	0.1028	0.1628	25
26	0.0988	0.0728	0.2868	1.14	0.668	0.218E	3.78	1.82	0.709	0.318	0.1238	0.1778	26
27	0.0968	0.1068	0.4188	1.07	0.638	0.188E	3.67	1.47	0.678	0.488	0.1228	0.1708	27
28	0.0958	0.1408	0.4128	0.988	0.588	0.178E	3.15	1.28	0.883	0.515	0.1488	0.1618	28
29	0.0938	0.1428	0.4108	0.881	0.585	0.148E	3.37	1.15	0.841	0.838	0.1898	0.1588	29
30	0.0948		0.4088	0.889	0.558	0.128E	3.48	1.01	0.887	0.488	0.3488	0.1478	30
31	0.0988		0.4078		0.583		4.13	0.917		0.878		0.1408	31
TOTAL	3.988	2.388	8.881	115.938	23.829	9.138	183.388	55.918	13.849	10.887	11.388	7.788	TOTAL
MEAN	0.128	0.082	0.213	3.88	0.768	0.304	5.11	1.80	0.462	0.325	0.374	0.250	MEAN
MAX	0.248	0.142	0.418	8.82	1.15	0.578	13.0	5.74	0.788	0.614	0.706	0.628	MAX
MIN	0.094	0.068	0.124	0.888	0.558	0.128	0.078	0.383	0.188	0.184	0.094	0.140	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.14
MAXIMUM DAILY, 13.0 ON JUL 11
MINIMUM DAILY, 0.0888 ON FEB 24

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 20 N
LONG 95 57 20 W
DRAINAGE AREA, 3 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	343	JUL 15 780	
FEB	204	AUG 4 830	
MAR	879	SEP 1 200	
APR 10 000		OCT 672	
MAY 2 080		NOV 884	
JUN	789	DEC 670	

TOTAL DISCHARGE, 38 200 dam³

WHITEMUD RIVER ABOVE GLADSTONE DAM - STATION NO. 05LL010

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	288.032	288.882	288.487	288.872	288.822	288.032	---	1
2	---	---	---	---	---	288.032	288.882	288.452	288.862	288.832	288.032	---	2
3	---	---	---	---	---	288.872	288.842	288.417	288.842	288.836	288.032	---	3
4	---	---	---	---	---	288.872	288.807	288.377	288.842	288.822	288.032	---	4
5	---	---	---	---	---	288.882	288.812	288.342	288.832	288.862	288.032	---	5
6	---	---	---	---	---	288.842	288.837	288.312	288.832	288.882	288.032	---	6
7	---	---	---	---	---	288.832	288.877	288.287	288.832	288.862	288.032	---	7
8	---	---	---	---	288.302	288.832	288.812	288.277	288.832	288.803	288.027	---	8
9	---	---	---	---	288.282	288.832	288.832	288.282	288.812	288.802	288.027	---	9
10	---	---	---	---	288.287	288.842	288.882	288.232	288.882	288.883	288.027	---	10
11	---	---	---	---	288.287	288.842	288.882	288.182	288.832	288.802	288.027	---	11
12	---	---	---	---	288.233	288.832	288.842	288.132	288.832	288.822	288.027	---	12
13	---	---	---	---	288.212	288.872	288.882	288.132	288.823	288.812	---	---	13
14	---	---	---	---	288.202	288.882	288.882	288.088E	288.830	288.802	---	---	14
15	---	---	---	---	288.177	288.882	288.882	288.040E	288.827	288.882	---	---	15
16	---	---	---	---	288.182	288.882	288.882	287.884	288.837	288.882	---	---	16
17	---	---	---	---	288.182	288.872	288.837E	287.844	288.888E	288.822	---	---	17
18	---	---	---	---	288.147	288.882	288.822	287.714	288.882	288.822	---	---	18
19	---	---	---	---	288.142	288.882	288.822	287.588	288.882	288.812	---	---	19
20	---	---	---	---	288.132	288.882	288.882	287.884	288.877	288.812	---	---	20
21	---	---	---	---	288.132	288.832	288.887	288.134	288.873	288.832	---	---	21
22	---	---	---	---	288.122	288.882	288.842	288.413	288.882	288.822	---	---	22
23	---	---	---	---	288.112	288.882	288.813	---	288.886	288.812	---	---	23
24	---	---	---	---	288.107	288.832	288.782	---	288.883	288.812	---	---	24
25	---	---	---	---	288.102	288.832	288.712	---	288.882	288.812	---	---	25
26	---	---	---	288.084	288.082	288.833	288.672	288.382	288.842	288.812	---	---	26
27	---	---	---	---	288.082	288.822	288.632	288.037E	288.837	288.818E	---	---	27
28	---	---	---	---	288.072	288.812	288.582	288.882	---	288.828E	---	---	28
29	---	---	---	---	288.072	288.812	288.582	288.882	---	288.832	---	---	29
30	---		---	---	288.072	288.802	288.582	288.872	---	288.832E	---	---	30
31	---		---		288.082		288.487	288.872		288.832E		---	31
MEAN	---	---	---	---	---	288.856	288.828	---	---	288.888	---	---	MEAN
MAX	---	---	---	---	---	288.842	288.882	---	---	288.832	---	---	MAX
MIN	---	---	---	---	---	288.882	288.487	---	---	288.822	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 288.287 ON MAY 10
MINIMUM DAILY, 287.884 ON AUG 20

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 13 30 N
LONG 98 58 44 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1942

DRAINAGE AREA,
1 050 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WHITEMUD RIVER AT WESTBOURNE - STATION NO. 05LL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0588	0.2328	0.1888	1.888	1.85	1.83	0.888	0.421	0	0.218	0.888A	0.4668	1
2	0.8208	0.2128	0.2888	3.388	3.10	1.87	0.868	0.412	0	0.338	0.888A	0.4888	2
3	0.4778	0.1958	0.2788	3.888	2.08	1.88	0.858	0.407	0.032	0.333A	0.823A	0.4498	3
4	0.4648	0.1778	0.2888	5.808	2.81	1.80	0.850	0.380	0.088	0.288E	0.848	0.4228	4
5	0.4468	0.1388	0.3488	8.42	4.36	1.82	0.848	0.324	0.068	0.410E	0.888	0.4248	5
6	0.3868	0.1688	0.2918	6.81	4.81	1.40	0.851	0.281	0.048	0.437A	0.728	0.4388	6
7	0.3788	0.1688	0.5178	16.0	5.05	1.18	0.832	0.278	0.017	0.488	0.888	0.4388	7
8	0.2438	0.1178	0.6708	20.7	5.83	1.11	0.848	0.248	0	0.883	0.843	0.4888	8
9	0.1678	0.1308	0.8828	16.7	5.72	1.03	0.787	0.220	0	0.888	0.821	0.5008	9
10	0.2218	0.1818	0.8348	13.0	5.33	0.888	0.888A	0.247	0	0.887	0.849A	0.4878	10
11	0.2318	0.1888	1.18 E	10.1	7.88	0.812	1.21 E	0.263	0.217	0.887	0.8388	0.5118	11
12	0.1078	0.1388	1.12 E	7.24	7.84	0.818	1.42 E	0.228	0.231	0.848	0.8028	0.4848	12
13	0.1328	0.1138	1.10 E	8.08	7.38	0.885	1.28 E	0.208	0.282	0.87^	0.4248	0.4618	13
14	0.1618	0.1488	1.14 E	6.82	6.20	0.843	1.32 E	0.234	0.208	0.888	0.4838	0.4288	14
15	0.1198	0.1008	1.14 E	5.88	5.28	0.808	1.14 A	0.231A	0.187	0.881	0.8138	0.4048	15
16	0.1388	0.0678	1.15 E	3.82	4.88	0.788	1.08	0.1028	0.206	0.883	0.8888	0.3888	16
17	0.1318	0.0748	1.10 E	3.17	4.32	0.818	1.05	0.024A	0.373	0.872	0.8178	0.3808	17
18	0.1388	0.1048	1.18 E	2.88	3.84	0.788	0.988	0.028	0.378	0.813	0.8488	0.3478	18
19	0.1058	0.1148	1.24 E	2.20	3.76	0.721	0.831	0.038	0.368	0.487A	0.8388	0.3348	19
20	0.1188	0.1088	1.28 E	2.24	3.38	0.833	0.870	0.034A	0.388	0.823	0.8188	0.3248	20
21	0.1128	0.1028	1.28 E	2.22	3.18	0.888	0.804	0.0328E	0.288	0.837	0.8008	0.3148	21
22	0.1188	0.1078	1.30 E	2.14	3.00	0.838	0.758	0.0188E	0.234	0.838	0.8618	0.2818	22
23	0.1118	0.0788	1.38 E	2.08	2.88	0.832	0.748	0.0108E	0.223	0.883A	0.8408	0.3018	23
24	0.1118	0.0828	1.48 E	1.78	2.87	0.887	0.878	0 E	0.211	0.478A	0.8748	0.3088	24
25	0.1088	0.0778	1.44 E	1.78	2.84	0.818	0.887	0 E	0.284	0.4788	0.8018	0.3188	25
26	0.1288	0.0788	1.28 E	1.77	2.38	0.813	0.812	0 E	0.287	0.4828	0.8048	0.3888	26
27	0.1838	0.1038	1.13 E	1.84	2.38	0.888	0.441	0 E	0.281	0.4668	0.8038	0.3848	27
28	0.2228	0.1028	1.18 E	1.48	2.87	0.881	0.487	0 E	0.281	0.4848	0.8008	0.2888	28
29	0.1888	0.1088	1.22 E	1.82	2.81	0.848	0.427	0 E	0.287	0.4788	0.8018	0.2778	29
30	0.2028		1.28 E	1.84	1.85	0.888	0.434	0 A	0.318	0.4888	0.8888	0.2788	30
31	0.2188		1.32 E		1.88		0.418	0		0.487A		0.2738	31
TOTAL	7.881	3.848	38.188	158.88	131.84	28.437	24.818	4.817	5.878	18.174	18.781	11.833	TOTAL
MEAN	0.228	0.128	0.873	5.33	3.82	0.948	0.781	0.148	0.188	0.488	0.628	0.385	MEAN
MAX	0.858	0.323	1.48	20.7	7.84	1.83	1.42	0.431	0.388	0.881	0.843	0.511	MAX
MIN	0.188	0.074	0.188	1.88	1.88	0.848	0.418	0	0	0.318	0.483	0.273	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.18
MAXIMUM DAILY, 20.7 ON APR 8
MINIMUM DAILY, 0E ON AUG 24
MAXIMUM INSTANTANEOUS,
23.0 AT 18:47 CST ON APR 4

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 03 N
LONG 98 35 00 W
DRAINAGE AREA, 8 380 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	988	JUL 3 130	
FEB	318	AUG 388	
MAR 3 818		SEP 488	
APR 13 888		OCT 1 318	
MAY 10 888		NOV 1 838	
JUN 3 488		DEC 1 838	

TOTAL DISCHARGE, 37 388 dam³

WHITEMUD RIVER NEAR KEYES - STATION NO. 06LL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1080	0.0588	0.2788	0.7218	0.488	0.713	0.058	0.033	0.383	0.100	0.168A	0.1138	1
2	0.0888	0.0678	0.3638	0.6218	0.772	0.888	0.071	0.041	0.241	0.131	0.150	0.1248	2
3	0.0888	0.0888	0.3668	0.7108	1.23	0.887	0.082	0.087	0.181	0.154	0.180	0.1388	3
4	0.0888	0.0828	0.3588	1.93 B	1.84	0.580	0.088	0.082	0.138	0.188	0.180	0.1428	4
5	0.0748	0.0888	0.4188	5.33 B	1.85	0.484	0.088	0.087	0.083	0.140	0.178	0.1488	5
6	0.0888	0.0888	0.4238	6.36 B	1.84	0.427	0.088	0.044	0.087	0.180	0.172	0 1388	6
7	0.0828	0.0738	0.4528	5.49 B	1.87	0.378	0.130	0.043	0.087	0.142	0.188	0.1458	7
8	0.0888	0.0788	0.4778	3.29 B	2.07	0.328	0.181	0.048	0.078	0.185	0.182	0.1598	8
9	0.0858	0.0828	0.4888	1.87 B	3.48	0.282	0.102	0.084	0.083	0.182	0.184	0.1548	9
10	0.0888	0.0888	0.5338	1.07 B	3.91	0.248	0.188	0.083	0.042	0.233	0.151	0.1808	10
11	0.0488	0.1218	0.5888	1.06 B	2.81	0.217	0.128	0.082	0.082	0.251	0.1418	0.1528	11
12	0.0488	0.1008	0.5738	1.52 B	1.85	0.202	0.138	0.085	0.088	0.177	0.1358	0.1558	12
13	0.0488	0.1318	0.5778	1.52	1.59	0.188	0.187	0.187	0.080	0.237	0.1388	0.1588	13
14	0.0488	0.1388	0.5558	1.40	1.43	0.184	0.188	0.182	0.181	0.188	0.1488	0.1438	14
15	0.0478	0.1078	0.5128	1.38	1.24	0.197	0.147	0.208	0.088	0.235	0.1528	0.1038	15
16	0.0448	0.2018	0.5088	1.12	1.14	0.188	0.141	0.231	0.087	0.185	0.1518	0.0838	16
17	0.0448	0.1508	0.5088	0.958	1.02	0.161	0.142	0.184	0.082	0.140	0.1468	0.1018	17
18	0.0488	0.1288	0.4728	0.880	0.880	0.178	0.103	0.187	0.082	0.171	0.1388	0.1108	18
19	0.0488	0.1228	0.4388	0.788	0.848	0.142	0.088	0.132	0.088	0.142	0.1288	0.1238	19
20	0.0448	0.1048	0.4068	0.883	0.833	0.120	0.100	0.228	0.082	0.123	0.1168	0.1278	20
21	0.0458	0.1078	0.3988	0.870	0.840	0.101	0.088	0.217	0.088	0.143	0.1208	0.1248	21
22	0.0458	0.1518	0.3688	0.840	0.788	0.088	0.085	0.184	0.082	0.182	0.1268	0.1228	22
23	0.0488	0.2148	0.4008	0.883	0.788	0.084	0.083	0.178	0.080	0.187	0.1278	0.1238	23
24	0.0478	0.2708	0.4248	0.858	0.742	0.088	0.088	0.234	0.037	0.177	0.1438	0.1238	24
25	0.0488	0.3238	0.4838	0.837	0.728	0.072	0.087	0.238	0.081	0.187	0.1618	0.1248	25
26	0.0618	0.3038	0.4408	0.848	0.881	0.058	0.071	0.178	0.088	0.158	0.1528	0.1258	26
27	0.0828	0.2848	0.4618	0.888	0.880	0.084	0.083	0.127	0.087	0.188	0.1388	0.1238	27
28	0.0828	0.2478	0.5238	0.488	0.848	0.088	0.038	0.110	0.087	0.223	0.1128	0.1208	28
29	0.0828	0.2578	0.4728	0.458	0.809	0.088	0.040	0.118	0.108	0.230	0.1088	0.1248	29
30	0.0538		0.4578	0.444	0.841	0.055	0.041	0.237	0.088	0.220	0.1108	0.1238	30
31	0.0888		0.7038		0.818		0.042	0.268		0.210		0.1248	31
TOTAL	1.740	4.388	14.482	45.788	40.488	7.328	3.028	4.211	2.874	5.488	4.382	4.027	TOTAL
MEAN	0.088	0.152	0.487	1.52	1.30	0.244	0.088	0.138	0.088	0.177	0.148	0.130	MEAN
MAX	0.108	0.322	0.703	5.38	3.81	0.713	0.187	0.288	0.283	0.251	0.188	0.189	MAX
MIN	0.044	0.088	0.278	0.444	0.488	0.054	0.038	0.033	0.037	0.100	0.108	0.083	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.277
MAXIMUM DAILY, 5.380 ON APR 6
MINIMUM DAILY, 0.033 ON AUG 1
MAXIMUM INSTANTANEOUS,
7.038 AT 18:52 CST ON APR 6

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 15 N
LONG 98 06 10 W
DRAINAGE AREA, 1 850 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	150	JUL	281
FEB	380	AUG	364
MAR	1 250	SEP	231
APR	3 880	OCT	474
MAY	3 480	NOV	378
JUN	633	DEC	348

TOTAL DISCHARGE, 11 800 dam³

WHITESHELL RIVER AT OUTLET OF JESSICA LAKE - STATION NO. 05PC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.143	0.134	0.163	0.327	0.418	0.318E	0.423E	0.841	0.328	0.243	0.182	0.381	1
2	0.140	0.144	0.161	0.338	0.388	0.300E	0.448E	0.588	0.310	0.238	0.188	0.388	2
3	0.136	0.138	0.180	0.344	0.347	0.278E	0.458E	0.570	0.301	0.218	0.200	0.381	3
4	0.128	0.152	0.187	0.377	0.292	0.284E	0.488E	0.542	0.277	0.218	0.208	0.368	4
5	0.134	0.181	0.174	0.418	0.283	0.258E	0.570E	0.547	0.268	0.214	0.210	0.373	5
6	0. 38	0.187	0.180	0.443	0.302	0.247E	0.584E	0.547	0.281	0.211	0.208	0.384	6
7	0.133	0.186	0 185	0.485	0.360	0.243E	0.543E	0.510	0.272	0.200	0.204	0.374	7
8	0.171	0.183	0.218	0.524	0.344	0.237E	0.521A	0.482	0.261	0.188	0.210	0.381	8
9	0.136	0.182	0.208	0.583	0.334	0.207E	0.487	0.443	0.226	0.180	0.212	0.371	9
10	0.138	0.191	0.208	0.624	0.337	0.187E	0.480	0.424	0.222	0.188	0.218	0.388	10
11	0.138	0.177	0.210	0.680	0.348	0.171E	0.478	0.392	0.291	0.188	0.222	0.342	11
12	0.135	0.177	0.212	0.663	0.332	0.171E	0.512	0.378	0.292	0.188	0.233	0.341	12
13	0.134	0.178	0.207	0.688	0.315	0.167E	0.588	0.378	0.288	0.175	0.248	0.328	13
14	0.138	0.188	0.211	0.710	0.328	0.171E	0.601	0.382	0.282	0.188	0.284	0.324	14
15	0.137	0.184	0.210	0.708	0.318	0.187E	0.600	0.388	0.295	0.198	0.280	0.327	15
16	0.143	0.184	0.214	0.732	0.312	0.171E	0.604	0.338	0.286	0.181	0.331	0.341	16
17	0.142	0.181	0.201	0.703	0.324	0.178E	0.648	0.313	0.296	0.184	0.318	0.368	17
18	0.140	0.180	0.217	0.707	0.328	0.188E	0.637	0.301	0.287	0.178	0.318	0.388	18
19	0.148	0.177	0.222	0.688	0.324	0.227E	0.621	0.288	0.327	0.187	0.318	0.381	19
20	0.144	0.178	0.211	0.367	0.338	0.288E	0.601	0.310	0.320	0.188	0.317	0.388	20
21	0.141	0.174	0.336	0.388	0.351	0.308E	0.582	0.334	0.310	0.140	0.308	0.388	21
22	0.137	0.170	0.283	0.388	0.388	0.214E	0.601	0.348	0.303	0.188	0.303	0.380	22
23	0.137	0.173	0.222	0.372	0.387	0.358E	0.588	0.314	0.282	0.188	0.298	0.377	23
24	0.137	0.172	0.211	0.388	0.384	0.381E	0.571	0.281	0.282	0.138	0.305	0.383	24
25	0.134	0.170	0.288	0.384	0.388	0.381E	0.588	0.287	0.287	0.130	0.313	0.348	25
26	0.131	0.188	0.308	0.388	0.332	0.387E	0.606	0.278	0.280	0.130	0.322	0.328	26
27	0.128	0.187	0.280	0.388	0.323A	0.403E	0.685	0.303	0.267	0.188	0.331	0.313	27
28	0.128	0.188	0.313	0.406	0.327E	0.407E	0.651	0.312	0.258	0.187	0.332	0.311	28
29	0.130	0.188	0.228	0.403	0.333E	0.413E	0.680	0.318	0.265	0.174	0.335	0.284	29
30	0.128		0.333	0.418	0.333E	0.418E	0.680	0.318	0.283	0.188	0.342	0.278	30
31	0.138		0.323		0.314E		0.688	0.338		0.188		0.284	31
TOTAL	4.181	4.847	8.877	16.871	10.484	8.188	17.718	12.118	8.414	5.838	8.872	10.747	TOTAL
MEAN	0.135	0.167	0.226	0.488	0.338	0.272	0.571	0.381	0.280	0.178	0.288	0.347	MEAN
MAX	0.148	0.188	0.328	0.732	0.418	0.418	0.888	0.841	0.328	0.243	0.342	0.381	MAX
MIN	0.124	0.134	0.188	0.338	0.283	0.187	0.433	0.287	0.222	0.138	0.182	0.284	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.308
MAXIMUM DAILY, 0.732 ON APR 19
MINIMUM DAILY, 0.124 ON JAN 5
MAXIMUM INSTANTANEOUS,
0.743 AT 14:33 CST ON APR 19

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 20 N
LONG 95 20 20 W
DRAINAGE AREA, 884 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	382	JUL	1 530
FEB	418	AUG	1 060
MAR	803	SEP	727
APR	1 280	OCT	478
MAY	889	NOV	887
JUN	708	DEC	927

TOTAL DISCHARGE, 9 880 dam³

WHITEWATER LAKE NEAR BOISSEVAIN - STATION NO. 05MC023

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	486.308	DRY	DRY	DRY	DRY	DRY	---	---	1
2	---	---	---	486.373	486.333	DRY	DRY	DRY	DRY	DRY	---	---	2
3	---	---	---	486.380	DRY	DRY	DRY	DRY	DRY	DRY	---	---	3
4	---	---	---	486.378	DRY	DRY	DRY	DRY	DRY	DRY	---	---	4
5	---	---	---	486.313	DRY	DRY	DRY	DRY	DRY	DRY	---	---	5
6	---	---	---	486.281	DRY	DRY	DRY	DRY	DRY	DRY	---	---	6
7	---	---	---	486.308	DRY	DRY	DRY	DRY	DRY	DRY	---	---	7
8	---	---	---	486.278	DRY	DRY	DRY	DRY	DRY	DRY	---	---	8
9	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	9
10	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	10
11	---	---	---	486.338	DRY	DRY	DRY	DRY	DRY	DRY	---	---	11
12	---	---	---	486.361	DRY	DRY	DRY	DRY	DRY	DRY	---	---	12
13	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	13
14	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	14
15	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	15
16	---	---	---	486.334	DRY	DRY	DRY	DRY	DRY	DRY	---	---	16
17	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	17
18	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	18
19	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	19
20	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	20
21	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	21
22	---	---	486.377A	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	22
23	---	---	486.376	486.382	DRY	DRY	DRY	DRY	DRY	DRY	---	---	23
24	---	---	486.376	486.323	DRY	DRY	DRY	DRY	DRY	DRY	---	---	24
25	---	---	486.368A	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	25
26	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	26
27	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	27
28	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	28
29	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	29
30	---		---	486.300	DRY	DRY	DRY	DRY	DRY	DRY	---	---	30
31	---		---		DRY		DRY	DRY		DRY		---	31
MEAN	---	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MEAN
MAX	---	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MAX
MIN	---	---	---	---	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MIN

WATER LEVELS IN METRES

A - MANUAL GAUGE

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 486.382 ON APR 23
MINIMUM DAILY, DRY ON APR 29
MAXIMUM INSTANTANEOUS,
486.436 AT 01:59 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 20 N
LONG 100 10 20 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - "DRY" REFERS TO LAKE BEING DRY AT GAUGE

WILD GOOSE CREEK NEAR DEAD CREEK NORTH OF PINAWA - STATION NO. 05PP008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0	0	0	0	0	0	0E	1
2	0	0	0	0	0	0	0	0	0	0	0	0E	2
3	0	0	0	0.001	0	0	0	0	0	0	0	0E	3
4	0	0	0	0.017	0	0	0	0	0	0	0	0E	4
5	0	0	0	0.018	0	0	0	0	0	0	0	0E	5
6	0	0	0	0.018	0	0	0	0	0	0	0.001	0E	6
7	0	0	0	0.010	0	0	0.005	0	0	0	0.001	0E	7
8	0	0	0	0.007	0	0	0.005	0	0	0	0.001	0E	8
9	0	0	0	0.005	0	0	0.003	0	0	0	0.001	0E	9
10	0	0	0	0.004	0	0	0.001	0	0	0	0.001	0E	10
11	0	0	0	0.003	0	0	0.001	0	0	0	0.001	0E	11
12	0	0	0	0.003	0	0	0	0	0	0	0.001	0E	12
13	0	0	0	0.002	0	0	0.001	0	0	0	0.001	0E	13
14	0	0	0	0.002	0	0	0.001	0	0	0	0.001	0E	14
15	0	0	0	0.001	0	0	0	0	0	0	0.001	0E	15
16	0	0	0	0.001	0	0	0	0	0	0	0	0E	16
17	0	0	0	0.001	0	0	0	0	0	0	0 A	0E	17
18	0	0	0	0.001	0	0	0	0	0	0	0 E	0E	18
19	0	0	0	0	0.007	0	0	0	0	0	0 E	0E	19
20	0	0	0	0	0.005	0	0.001	0	0	0	0 E	0E	20
21	0	0	0	0	0.003	0	0	0	0	0	0 E	0E	21
22	0	0	0	0	0.002	0	0	0	0	0	0 E	0E	22
23	0	0	0	0	0.001	0	0	0	0	0	0 A	0E	23
24	0	0	0	0	0.001	0	0	0	0	0	0 E	0E	24
25	0	0	0	0.001	0.001	0	0	0	0	0	0 E	0E	25
26	0	0	0	0.001	0	0	0	0	0	0	0 E	0E	26
27	0	0	0	0.001	0	0	0	0	0	0	0 E	0E	27
28	0	0	0	0	0	0	0	0	0	0	0 E	0E	28
29	0	0	0	0	0	0	0	0	0	0	0 E	0E	29
30	0		0	0	0	0	0	0	0	0	0 A	0E	30
31	0		0		0		0	0		0		0E	31
TOTAL	0	0	0	0.088	0.018	0	0.022	0	0	0	0.010	0	TOTAL
MEAN	0	0	0	0.003	0.001	0	0.001	0	0	0	0	0	MEAN
MAX	0	0	0	0.018	0.005	0	0.005	0	0	0	0.001	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1988

MEAN, 0
MAXIMUM DAILY, 0.018 ON APR 5
MINIMUM DAILY, 0 ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 00 N
LONG 95 53 54 W
DRAINAGE AREA, 0.43 km²
A - MANUAL GAUGE
E - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	1.90
FEB	0	AUG	0
MAR	0	SEP	0
APR	0.47	OCT	0
MAY	1.55	NOV	0.88
JUN	0	DEC	0

TOTAL DISCHARGE, 12.8 dam³

DATA CONTRIBUTED BY -
ATOMIC ENERGY OF CANADA

WILLOW CREEK NEAR CHATER - STATION NO. 05HH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.002	0.002	0	0	0	0	0	---	---	1
2	---	---	0 B	0.002	0.004	0	0	0	0	0	---	---	2
3	---	---	0 B	0.002	0.002	0	0	0	0	0	---	---	3
4	---	---	0 B	0.002	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.001	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.001	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.001	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.001	0	0	0.002	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0.045	0	0	0	---	---	10
11	---	---	0 B	0	0.001	0	0.074	0	0	0	---	---	11
12	---	---	0 B	0	0.002	0	0.048	0	0	0	---	---	12
13	---	---	0 B	0	0.003	0	0.026	0	0	0	---	---	13
14	---	---	0 B	0	0.004	0	0.038	0	0	0	---	---	14
15	---	---	0 B	0	0.004	0	0.033	0	0	0	---	---	15
16	---	---	0 B	0	0.004	0	0.013	0	0	0	---	---	16
17	---	---	0 B	0	0.004	0	0.007	0	0	0	---	---	17
18	---	---	0 B	0	0.004	0	0.006	0	0	0	---	---	18
19	---	---	0 B	0	0.003	0	0.003	0	0	0	---	---	19
20	---	---	0 B	0	0.003	0	0.003	0	0	0	---	---	20
21	---	---	0 B	0	0.002	0	0.003	0	0	0	---	---	21
22	---	---	0 B	0	0.002	0	0.001	0	0	0	---	---	22
23	---	---	0 B	0	0.002	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0.001	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0.001	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0.001	0	0	0	0	0	---	---	26
27	---	---	0 B	0.001	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0.001	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0.001	0	0	0	0	0	0	---	---	29
30	---		0 B	0.002	0	0	0	0	0	0	---	---	30
31	---		0.001B		0		0	0		0		---	31
TOTAL	---	---	0.001	0.018	0.047	0	0.288	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.001	0.002	0	0.009	0	0	0	---	---	MEAN
MAX	---	---	0.001	0.002	0.004	0	0.074	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.074 ON JUL 10
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.088 AT 17:30 CST ON JUL 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 51 32 N
LONG 99 49 34 W
DRAINAGE AREA, 869 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	24.8
FEB	---	AUG	0
MAR	0.08	SEP	0
APR	1.58	OCT	0
MAY	4.08	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 30.6 dam³

WILLOW CREEK NEAR GIMLI - STATION NO. 05LB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.0188	0.001	0.008	---	---	---	---	---	---	1
2	---	---	0B	0.5088	0.001	0.038	---	---	---	---	---	---	2
3	---	---	0B	4.51 B	0.018	0.028	---	---	---	---	---	---	3
4	---	---	0B	4.08 B	0.007	0.027	---	---	---	---	---	---	4
5	---	---	0B	3.00 B	0.006	0.024	---	---	---	---	---	---	5
6	---	---	0B	2.04 B	0.002	0.018	---	---	---	---	---	---	6
7	---	---	0B	1.80	0.010	0.005	---	---	---	---	---	---	7
8	---	---	0B	1.08	0.008	0	---	---	---	---	---	---	8
9	---	---	0B	0.782	0.015	0	---	---	---	---	---	---	9
10	---	---	0B	0.647	0.012	0	---	---	---	---	---	---	10
11	---	---	0B	0.488	0.058	0	---	---	---	---	---	---	11
12	---	---	0B	0.348	0.008	0	---	---	---	---	---	---	12
13	---	---	0B	0.288	0.003	0	---	---	---	---	---	---	13
14	---	---	0B	0.241	0.001	0	---	---	---	---	---	---	14
15	---	---	0B	0.253	0.002	0	---	---	---	---	---	---	15
16	---	---	0B	0.203	0.004	0	---	---	---	---	---	---	16
17	---	---	0B	0.183	0.043	0	---	---	---	---	---	---	17
18	---	---	0B	0.130	0.023	0	---	---	---	---	---	---	18
19	---	---	0B	0.088	0.018	0	---	---	---	---	---	---	19
20	---	---	0B	0.078	0.006	0	---	---	---	---	---	---	20
21	---	---	0B	0.068	0.003	0	---	---	---	---	---	---	21
22	---	---	0B	0.053	0.002	0	---	---	---	---	---	---	22
23	---	---	0B	0.018	0.002	0	---	---	---	---	---	---	23
24	---	---	0B	0.003	0.002	0	---	---	---	---	---	---	24
25	---	---	0B	0.006	0.002	0	---	---	---	---	---	---	25
26	---	---	0B	0.014	0.002	0	---	---	---	---	---	---	26
27	---	---	0B	0.027	0.002	0	---	---	---	---	---	---	27
28	---	---	0B	0.032	0.008	0	---	---	---	---	---	---	28
29	---	---	0B	0.032	0.005	0	---	---	---	---	---	---	29
30	---		0B	0.001	0.003	0	---	---	---	---	---	---	30
31	---		0B		0.006		---	---		---		---	31
TOTAL	---	---	0	21.488	0.344	0.143	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.718	0.008	0.005	---	---	---	---	---	---	MEAN
MAX	---	---	0	4.51	0.058	0.038	---	---	---	---	---	---	MAX
MIN	---	---	0	0.001	0.001	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.178
MAXIMUM DAILY, 4.51B ON APR 3
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 50 N
LONG 97 02 40 W
DRAINAGE AREA, 183 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	1 480	OCT	---
MAY	24.8	NOV	---
JUN	12.8	DEC	---

TOTAL DISCHARGE, 1 490 dam³

WILSON CREEK NEAR MCCREARY - STATION NO. 05LJ001

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	367.851	---	---	---	---	---	---	---	2
3	---	---	---	---	367.811	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	367.733	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	367.729	---	---	---	---	8
9	---	---	---	---	---	367.750	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	367.887	---	---	---	---	---	---	---	---	12
13	---	---	---	367.887	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	367.891	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	367.728	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	367.726	---	---	---	---	---	19
20	---	---	---	---	367.850	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	367.750	---	367.718	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	367.726	---	---	---	---	---	367.739	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	---	---	---	---	---	---	---	---	---	30
31	---	---	---	---	---	---	---	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 43 46 N
LONG 99 33 15 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

NATURAL FLOW

DRAINAGE AREA,
33.9 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WILSON RIVER NEAR ASHVILLE - STATION NO. 05LJ045

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.6108	1.11	0.284	0.014	0.002	0	0.001	---	---	1
2	---	---	0 B	1.16 B	5.33	0.298	0.011	0.002	0	0.001	---	---	2
3	---	---	0 B	12.0 B	43.6	0.238	0.005	0.002	0	0.001	---	---	3
4	---	---	0.0019	32.0 B	42.7	0.188	0.002	0.002	0	0.001	---	---	4
5	---	---	0.0208	31.2 B	18.3	0.161	0.002	0.002	0	0.001	---	---	5
6	---	---	0.0288	17.4	8.12	0.140	0.008	0.001	0	0.001	---	---	6
7	---	---	0.0208	13.2	13.8	0.118	0.037	0.001	0	0.001	---	---	7
8	---	---	0.0288	8.84	20.8	0.104	0.030	0.001	0	0.001	---	---	8
9	---	---	0.0405	6.81	16.7	0.097	0.021	0.001	0	0.001	---	---	9
10	---	---	0.0208	3.88	8.48	0.078	0.010	0.001	0	0.001	---	---	10
11	---	---	0.0108	3.06	4.77	0.100	0.007	0.001	0	0.001	---	---	11
12	---	---	0.0069	3.06	3.16	0.081	0.007	0.001	0	0.001	---	---	12
13	---	---	0.0038	3.12	2.68	0.073	0.010	0.001	0	0.001	---	---	13
14	---	---	0.0038	2.32	2.14	0.074	0.008	0.001	0	0.001	---	---	14
15	---	---	0.0018	1.88	2.18	0.088	0.005	0.001	0	0.001	---	---	15
16	---	---	0.0018	1.13	3.82	0.073	0.008	0.001	0	0.001	---	---	16
17	---	---	0.0018	0.788	3.30	0.068	0.005	0.001	0	0.001	---	---	17
18	---	---	0.0018	1.03	2.58	0.058	0.003	0.001	0	0.001	---	---	18
19	---	---	0.0018	0.828	3.78	0.055	0.005	0.001	0	0.001	---	---	19
20	---	---	0.0018	0.508	3.83	0.045	0.003	0.001	0	0.001	---	---	20
21	---	---	0.0088	0.381	2.55	0.042	0.002	0.001	0	0.001	---	---	21
22	---	---	0.1008	0.328	1.88	0.038	0.002	0.001	0	0.001	---	---	22
23	---	---	0.3078	0.281	1.48	0.043	0.003	0.001	0	0.001	---	---	23
24	---	---	0.2808	0.278	1.08	0.038	0.002	0.001	0	0.001	---	---	24
25	---	---	0.1508	0.318	0.803	0.038	0.003	0.001	0	0.001A	---	---	25
26	---	---	0.0508	0.318	0.821	0.030	0.002	0.001	0.001	0.001E	---	---	26
27	---	---	0.0408	0.382	0.532	0.023	0.002	0.001	0.001	0.001E	---	---	27
28	---	---	0.0308	0.388	0.450	0.024	0.002	0.001	0.001	0.001E	---	---	28
29	---	---	0.0268	0.867	0.388	0.020	0.002	0.001	0.001	0.001E	---	---	29
30	---		0.0258	0.833	0.336	0.015	0.002	0.001	0.001	0.001E	---	---	30
31	---		0.0388		0.288		0.002	0		0.001E		---	31
TOTAL	---	---	1.196	147.428	221.418	2.701	0.224	0.035	0.006	0.031	---	---	TOTAL
MEAN	---	---	0.038	4.91	7.14	0.090	0.007	0.001	0	0.001	---	---	MEAN
MAX	---	---	0.307	32.0	43.6	0.298	0.037	0.002	0.001	0.001	---	---	MAX
MIN	---	---	0	0.251	0.288	0.015	0.002	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.82
MAXIMUM DAILY, 43.6 ON MAY 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
86.0 AT 14:00 CST ON MAY 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 30 N
LONG 100 20 00 W
DRAINAGE AREA, 889 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	19.4
FEB	---	AUG	3.02
MAR	103	SEP	0.43
APR	12 700	OCT	2.68
MAY	19 100	NOV	---
JUN	233	DEC	---

TOTAL DISCHARGE, 32 200 dam³

WINNIPEG RIVER AT LAC DU BONNET - STATION NO. 05PF003

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	284.874	284.826	284.837	284.807	284.817	284.828	284.888	284.819	284.880	284.821	284.881	284.871	1
2	284.903	284.846	284.857	284.807	284.837	284.868	284.858	284.849	284.900	284.901	284.851	284.881	2
3	284.933	284.836	284.867	284.827	284.837	284.818	284.858	284.849	284.900	284.841	284.831	284.881	3
4	284.932	284.846	284.867	284.867	284.857	284.828	284.838	284.829	284.910	284.781	284.841	284.851	4
5	284.811	284.816	284.787	284.847	284.847	284.848	284.828	284.869	284.920	284.771	284.831	284.891	5
6	284.792	284.817	284.857	284.877	284.827	284.818	284.888	284.878	284.910	284.821	284.901	284.931	6
7	284.782	284.917	284.877	284.887	284.787	284.858	284.859	284.888	284.883	284.881	284.891	284.921	7
8	284.742	284.857	284.887	284.917	284.877	284.868	284.838	284.878	284.870	284.851	284.911	284.941	8
9	284.623	284.834	284.887	284.897	284.918	284.798	284.578	284.898	284.810	284.901	284.881	284.911	9
10	284.953	284.947	284.887	284.827	284.907	284.788	284.909	284.908	284.830	284.891	284.881	284.891	10
11	284.913	284.957	284.917	284.837	284.837	284.778	284.908	284.880	284.920	284.881	284.841	284.901	11
12	284.813	284.977	284.827	284.947	284.887	284.798	284.838	284.880	284.870	284.851	284.841	284.951	12
13	284.833	284.887	284.897	284.887	284.777	284.808	284.848	284.870	284.880	284.871	284.851	284.931	13
14	284.863	284.887	284.897	284.907	284.747	284.798	284.858	284.800	284.870	284.801	284.851	284.980	14
15	284.873	284.937	284.887	284.817	284.777	284.818	284.918	284.900	284.900	284.891	284.871	284.891	15
16	284.854	284.927	284.907	284.907	284.847	284.888	284.928	284.870	284.870	284.841	284.861	284.881	16
17	284.894	284.897	284.917	284.767	284.867	284.888	284.818	284.900	284.840	284.871	284.841	284.871	17
18	284.914	284.887	284.907	284.887	284.727	284.888	284.908	284.800	284.611	284.831	284.931	284.871	18
19	284.854	284.917	284.877	284.677	284.837	284.888	284.818	284.880	284.781	284.841	284.901	284.891	19
20	284.894	284.897	284.857	284.887	284.837	284.888	284.818	284.880	284.781	284.831	284.921	284.891	20
21	284.924	284.887	284.887	284.804	284.827	284.878	284.928	284.880	284.781	284.821	284.901	284.941	21
22	284.784	284.867	284.857	284.897	284.917	284.918	284.908	284.860	284.731	284.881	284.901	284.941	22
23	284.788	284.907	284.907	284.857	284.927	284.918	284.918	284.830	284.701	284.881	284.911	284.931	23
24	284.868	284.907	284.897	284.847	284.917	284.868	284.948	284.820	284.731	284.851	284.951	284.881	24
25	284.918	284.957	284.887	284.887	284.837	284.928	284.948	284.810	284.731	284.821	284.931	284.881	25
26	284.898	284.937	284.907	284.827	284.877	284.938	284.928	284.800	284.821	284.811	284.921	284.861	26
27	284.898	284.887	284.857	284.847	284.877	284.938	284.928	284.840	284.841	284.811	284.921	284.881	27
28	284.898	284.857	284.907	284.877	284.868	284.918	284.935	284.840	284.821	284.851	284.831	284.881	28
29	284.868	284.857	284.907	284.907	284.828	284.918	284.908	284.880	284.841	284.801	284.851	284.881	29
30	284.828		284.837	284.917	284.858	284.868	284.678	284.880	284.871	284.871	284.851	284.901	30
31	284.888		284.807		284.878		284.888	284.880		284.881		284.911	31
MEAN	284.867	284.907	284.888	284.851	284.844	284.883	284.911	284.888	284.840	284.848	284.918	284.917	MEAN
MAX	284.988	284.977	284.907	284.907	284.887	284.958	284.958	284.918	284.920	284.911	284.971	284.991	MAX
MIN	284.742	284.816	284.787	284.677	284.647	284.778	284.828	284.800	284.701	284.781	284.831	284.851	MIN

WATER LEVELS IN METRES

MEAN, 284.878
MAXIMUM DAILY, 284.987 ON MAR 24
MINIMUM DAILY, 284.647 ON MAY 16

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 15 35 N
LONG 95 03 20 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1963 ADJ.)

WINNIPEG RIVER AT MCARTHUR GENERATING STATION - STATION NO. 05PF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	498	886	602	321	346	159	180	341	180	613	788	788	1
2	880	842	498	373	321	482	182	247	181	848	770	783	2
3	881	848	831	384	336	311	148	223	148	770	748	887	3
4	887	814	880	423	263	208	186	188	181	884	781	774	4
5	888	844	471	833	291	187	188	198	183	871	814	843	5
6	847	483	433	443	322	244	183	181	153	870	784	781	6
7	880	476	807	406	186	270	304	189	187	742	787	872	7
8	873	883	442	481	181	186	336	187	288	804	824	867	8
9	384	826	832	494	232	182	282	137	170	888	834	878	9
10	811	889	893	482	284	180	181	316	148	871	821	882	10
11	716	888	481	253	287	178	141	187	384	880	874	888	11
12	804	831	488	478	488	140	187	210	228	718	871	822	12
13	811	714	383	836	281	188	222	184	231	818	804	881	13
14	881	443	488	348	308	180	243	182	147	737	888	881	14
15	818	887	478	383	422	348	174	201	287	888	888	882	15
16	483	810	482	382	218	308	191	185	302	838	878	838	16
17	832	821	428	348	173	383	188	184	218	788	827	828	17
18	803	827	488	387	201	318	180	148	312	874	878	838	18
19	800	838	448	188	278	184	188	148	370	820	888	883	19
20	817	838	488	188	312	238	184	214	223	882	873	888	20
21	882	804	477	181	238	148	244	188	318	802	882	882	21
22	827	838	377	384	248	182	188	184	388	882	870	882	22
23	487	473	334	387	287	148	182	144	388	818	888	883	23
24	487	804	400	388	288	173	187	148	331	730	885	880	24
25	878	808	813	374	221	184	280	148	228	707	888	888	25
26	878	818	830	347	171	188	282	170	381	880	887	848	26
27	831	478	408	288	287	200	223	181	437	702	888	878	27
28	844	548	487	288	208	231	288	182	488	742	842	880	28
29	887	832	481	311	148	207	301	188	481	881	787	843	29
30	478		836	381	203	184	284	143	588	714	882	825	30
31	488		801		248		177	188		788		838	31
TOTAL	17 832	18 848	14 884	10 887	8 092	8 417	8 388	8 848	8 418	20 483	28 282	27 180	TOTAL
MEAN	888	874	478	387	281	218	208	182	281	880	843	874	MEAN
MAX	718	718	813	838	488	482	338	341	588	778	884	988	MAX
MIN	384	443	334	181	148	148	141	137	147	813	748	781	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 488
MAXIMUM DAILY, 988 ON DEC 20
MINIMUM DAILY, 137 ON AUG 9

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 23 53 N
LONG 95 58 50 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 510 000	JUL	552 000
FEB	1 440 000	AUG	488 000
MAR	1 280 000	SEP	727 000
APR	834 000	OCT	1 770 000
MAY	689 000	NOV	2 180 000
JUN	554 000	DEC	2 340 000

TOTAL DISCHARGE, 14 800 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED SINCE 1954

REMARKS - FLOW CALCULATED FROM GENERATION AND SPILL TABLES

WINNIPEG RIVER AT PINE FALLS GENERATING STATION - STATION NO. 05PF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	535	685	611	380	290	195	181	387	203	670	783	772	1
2	602	678	618	378	351	488	178	284	141	641	781	820	2
3	581	678	587	405	357	248	187	282	170	788	730	686	3
4	584	685	601	486	388	240	170	174	170	675	788	787	4
5	588	680	611	551	318	237	188	220	180	582	814	814	5
6	582	508	483	481	317	278	224	188	188	680	788	778	6
7	620	483	518	438	188	288	332	202	188	734	818	686	7
8	584	590	441	487	182	184	343	172	288	821	788	687	8
9	410	633	590	587	244	187	341	174	181	850	853	686	9
10	487	584	584	483	284	181	137	313	178	872	823	688	10
11	740	624	532	300	303	184	182	178	230	874	885	840	11
12	647	648	507	470	471	187	183	282	277	712	870	834	12
13	640	726	483	812	338	184	218	212	245	600	872	887	13
14	582	486	483	388	352	181	270	186	182	786	871	886	14
15	638	603	485	385	438	338	188	212	278	848	871	810	15
16	607	642	472	378	248	381	187	178	288	888	857	880	16
17	648	625	471	372	185	280	251	187	348	752	888	820	17
18	687	644	483	445	224	381	181	173	323	681	870	843	18
19	623	677	488	180	278	178	181	138	407	625	871	878	19
20	628	681	480	187	348	282	180	280	382	672	888	1 000	20
21	687	620	514	184	381	182	281	182	343	646	888	1 010	21
22	648	682	381	318	278	185	181	177	351	640	889	841	22
23	609	684	378	417	280	188	187	178	388	632	871	840	23
24	608	631	382	308	316	170	217	174	328	723	870	884	24
25	681	601	618	389	280	177	248	188	284	722	870	888	25
26	626	622	582	280	192	171	312	172	348	607	871	840	26
27	634	618	485	288	303	208	243	168	432	686	888	838	27
28	687	681	481	332	207	258	273	183	520	740	872	888	28
29	705	682	508	310	174	228	308	178	487	687	788	884	29
30	631		550	388	208	187	298	148	618	738	844	820	30
31	618		537		280		193	182		778		833	31
TOTAL	18 248	17 212	15 529	11 435	8 783	7 080	8 848	8 182	8 838	30 704	25 214	27 141	TOTAL
MEAN	588	594	501	381	283	238	224	195	298	888	840	876	MEAN
MAX	740	726	618	812	471	488	343	387	618	798	872	1 010	MAX
MIN	410	483	378	184	182	182	137	139	141	841	730	772	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 474
MAXIMUM DAILY, 1 010 ON DEC 21
MINIMUM DAILY, 137 ON JUL 10

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 34 03 N
LONG 96 10 39 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 580 000	JUL	800 000
FEB	1 490 000	AUG	832 000
MAR	1 340 000	SEP	772 000
APR	988 000	OCT	1 790 000
MAY	788 000	NOV	2 180 000
JUN	810 000	DEC	2 340 000

TOTAL DISCHARGE, 15 000 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED SINCE 1951

REMARKS - FLOW CALCULATED FROM PLANT GENERATION AND FROM SPILL TABLES

WINNIPEG RIVER AT SLAVE FALLS - STATION NO. 05PF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	572	608	521	422	287	327	138	224	186	587	801	848	1
2	584	611	542	418	307	370	140	246	182	637	842	850	2
3	584	618	535	414	289	286	135	187	181	804	832	887	3
4	580	600	536	388	243	240	142	232	180	827	818	883	4
5	598	611	503	408	270	182	151	200	182	868	828	884	5
6	605	618	512	408	250	182	231	201	186	724	848	884	6
7	578	614	530	442	288	148	262	183	207	718	851	901	7
8	588	570	585	478	228	178	274	180	200	857	877	901	8
9	588	608	526	382	244	128	284	186	180	708	885	883	9
10	593	612	518	482	248	174	178	242	252	888	812	898	10
11	588	602	515	422	287	183	180	188	243	889	812	898	11
12	588	618	580	408	248	174	180	202	207	889	811	821	12
13	588	627	488	278	230	188	188	188	218	728	806	833	13
14	620	610	478	348	328	278	187	182	188	701	812	840	14
15	602	608	482	310	280	304	188	178	238	718	878	842	15
16	587	581	472	308	233	317	130	186	228	687	888	838	16
17	601	618	488	282	288	334	182	188	248	683	888	850	17
18	621	612	448	308	288	274	171	180	258	688	884	887	18
19	572	573	424	282	218	218	178	183	288	684	807	888	19
20	588	578	478	278	283	218	170	173	328	681	873	882	20
21	588	585	434	277	347	180	183	188	388	680	808	838	21
22	588	577	448	287	311	182	177	188	344	680	811	837	22
23	608	583	442	310	238	180	203	131	388	701	838	834	23
24	584	578	448	287	227	178	202	178	388	652	822	843	24
25	588	586	472	323	188	180	232	188	388	710	808	834	25
28	578	587	488	274	212	188	242	171	380	703	880	800	28
27	643	584	488	304	220	178	282	183	480	707	831	887	27
28	587	588	488	310	188	208	200	178	482	685	840	888	28
29	584	588	488	332	201	178	284	187	618	788	888	878	28
30	604		500	380	201	137	281	180	588	818	843	811	30
31	578		480		281		282	188		783		820	31
TOTAL	18 144	17 214	15 138	10 818	7 780	6 388	6 888	6 878	8 838	21 488	28 238	28 188	TOTAL
MEAN	585	594	488	384	281	212	183	183	288	883	878	888	MEAN
MAX	643	627	585	478	347	378	274	248	588	818	838	887	MAX
MIN	521	583	424	274	188	138	138	131	180	887	801	824	MIN

SUMMARY FOR THE YEAR 1988

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 488
MAXIMUM DAILY, 887 ON DEC 18
MINIMUM DAILY, 138 ON JUN 9

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 13 30 N
LONG 95 34 18 W
DRAINAGE AREA, 128 000 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 870 000	JUL	817 000
FEB	1 480 000	AUG	480 000
MAR	1 310 000	SEP	728 000
APR	817 000	OCT	1 880 000
MAY	873 000	NOV	2 270 000
JUN	849 000	DEC	2 420 000

TOTAL DISCHARGE, 14 890 000 dam³

DATA CONTRIBUTED BY -
CITY OF WINNIPEG HYDRO-ELECTRIC SYSTEM

REGULATED SINCE 1907

WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT - STATION NO. 05PF057

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	274.128	274.113	274.122	274.137	274.118	274.128	274.084	274.134	274.137	274.134	274.118	274.116	1
2	274.107	274.131	274.137	274.134	274.122	274.122	274.018	274.165	274.113	274.118	274.140	274.118	2
3	274.128	274.152	274.107	274.148	274.107	274.104	273.881	274.118	274.134	274.128	274.131	274.125	3
4	274.091	274.140	274.118	274.134	274.084	274.137	273.887	274.148	274.126	274.125	274.084	274.110	4
5	274.101	274.134	274.134	274.131	274.122	274.118	274.018	274.162	274.082	274.110	274.122	274.134	5
6	274.110	274.118	274.131	274.126	274.084	274.104	274.140	274.148	274.081	274.128	274.088	274.118	6
7	274.122	274.113	274.148	274.131	274.122	274.107	274.171	274.134	274.107	274.122	274.126	274.126	7
8	274.101	274.118	274.088	274.143	274.143	274.148	274.140	274.127	274.113	274.084	274.101	274.113	8
9	274.128	274.110	274.107	274.137	274.148	274.087	274.171	274.148	274.081	274.134	274.110	274.088	9
10	274.140	274.122	274.118	274.185	274.181	274.082	274.134	274.188	274.122	274.119	274.082	274.110	10
11	274.126	274.081	274.118	274.185	274.185	274.137	274.118	274.140	274.118	274.118	274.082	274.088	11
12	274.107	274.023	274.081	274.140	274.084	274.128	274.152	274.152	274.128	274.148	274.088	274.148	12
13	274.131	274.101	274.081	274.122	274.104	274.131	274.152	274.113	274.131	274.118	274.082	274.140	13
14	274.125	274.086	274.140	274.140	274.113	274.188	274.188	274.082	274.137	274.107	274.118	274.137	14
15	274.110	274.118	274.122	274.122	274.088	274.152	274.188	274.084	274.140	274.082	274.113	274.128	15
16	274.128	274.113	274.131	274.069	274.107	274.148	274.148	274.148	274.143	274.084	274.122	274.131	16
17	274.104	274.148	274.152	274.098	274.122	274.122	274.188	274.152	274.137	274.091	274.101	274.112	17
18	274.158	274.104	274.128	274.073	274.128	274.122	274.134	274.131	274.113	274.140	274.122	274.121	18
19	274.152	274.128	274.119	274.116	274.113	274.143	274.148	274.148	274.084	274.122	274.134	274.107	19
20	274.148	274.122	274.134	274.158	274.113	274.140	274.158	274.158	274.101	274.088	274.119	274.069	20
21	274.137	274.137	274.137	274.185	274.128	274.188	274.185	274.143	274.122	274.110	274.113	274.088	21
22	274.140	274.143	274.137	274.152	274.148	274.152	274.152	274.140	274.128	274.140	274.104	274.113	22
23	274.131	274.119	274.161	274.107	274.137	274.158	274.158	274.098	274.140	274.143	274.119	274.107	23
24	274.113	274.134	274.148	274.128	274.148	274.143	274.171	274.101	274.107	274.128	274.101	274.152	24
25	274.143	274.110	274.148	274.091	274.140	274.148	274.185	274.137	274.079	274.125	274.073	274.088	25
26	274.119	274.128	274.119	274.137	274.134	274.143	274.148	274.188	274.104	274.125	274.110	274.113	26
27	274.128	274.134	274.143	274.140	274.143	274.185	274.152	274.131	274.131	274.131	274.122	274.081	27
28	274.128	274.125	274.158	274.140	274.132	274.148	274.152	274.128	274.113	274.125	274.140	274.073	28
29	274.122	274.122	274.091	274.134	274.158	274.171	274.188	274.122	274.137	274.137	274.148	274.085	29
30	274.119		274.143	274.152	274.148	274.107	274.148	274.098	274.119	274.119	274.137	274.088	30
31	274.128		274.134		274.085		274.158	274.137		274.122		274.134	31
MEAN	274.124	274.119	274.127	274.131	274.124	274.133	274.131	274.134	274.117	274.121	274.113	274.113	MEAN
MAX	274.158	274.152	274.161	274.185	274.185	274.188	274.171	274.188	274.143	274.148	274.148	274.152	MAX
MIN	274.091	274.023	274.091	274.069	274.084	274.082	273.881	274.082	274.081	274.082	274.073	274.069	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 274.124
MAXIMUM DAILY, 274.188 ON JUN 14
MINIMUM DAILY, 273.881 ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 10 N
LONG 95 00 50 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT - STATION NO. 05PF048

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	229.670	230.030	229.858	229.371	229.441	229.194	229.087	229.578	229.358	229.885	230.161	230.248	1
2	229.773	229.838	229.838	229.464	229.389	229.580	229.030	228.450	229.255	229.898	230.208	230.358	2
3	229.773	229.601	229.888	229.527	229.298	229.398	229.136	228.426	229.338	230.371	230.121	230.428	3
4	230.036	229.898	229.601	229.580	229.326	229.225	229.155	229.350	229.353	229.898	230.252	230.315	4
5	230.005	230.011	229.600	229.782	229.322	229.213	229.130	229.371	229.338	229.811	230.283	230.353	5
6	229.872	229.561	229.551	229.642	229.362	229.285	229.200	229.347	229.301	229.998	230.225	230.278	6
7	229.888	229.557	229.630	229.642	229.115	229.319	229.398	229.388	229.353	230.200	230.326	230.488	7
8	229.850	229.844	229.645	229.627	229.207	229.149	229.420	229.347	229.476	229.893	230.228	230.441	8
9	229.447	229.947	229.789	229.668	229.274	229.164	229.347	229.319	229.398	230.136	230.369	230.511	9
10	229.670	229.804	229.798	229.630	229.322	229.181	229.271	229.498	229.382	230.078	230.287	230.484	10
11	230.124	229.653	229.809	229.285	229.332	229.178	229.341	229.377	229.496	230.051	230.395	230.388	11
12	229.888	229.888	229.642	229.561	229.524	229.184	229.319	229.377	229.456	230.182	230.417	230.322	12
13	229.703	230.121	229.467	229.767	229.344	229.162	229.382	229.398	229.398	229.875	230.478	230.539	13
14	229.882	229.588	229.591	229.438	229.368	229.204	229.408	229.344	229.319	230.276	230.404	230.511	14
15	229.823	229.634	229.621	229.420	229.588	229.447	229.336	229.377	229.476	230.045	230.453	230.581	15
16	229.645	229.692	229.564	229.362	229.218	229.380	229.325	229.358	229.493	230.087	230.407	230.573	16
17	229.748	229.728	229.484	229.438	229.127	229.453	229.362	229.362	229.560	230.264	230.362	230.573	17
18	229.858	229.898	229.808	229.490	229.172	229.398	229.271	229.344	229.645	230.139	230.368	230.573	18
19	229.624	229.862	229.808	229.188	229.338	229.213	229.304	229.335	229.630	230.039	230.478	230.578	19
20	229.718	229.737	229.894	229.178	229.368	229.301	229.307	229.428	229.563	229.961	230.350	230.798	20
21	229.888	229.888	229.858	229.197	229.240	229.170	229.447	229.307	229.484	229.804	230.438	230.782	21
22	229.885	229.850	229.480	229.328	229.262	229.218	229.353	229.344	229.588	229.801	230.362	230.621	22
23	229.894	229.588	229.368	229.648	229.248	229.200	229.398	229.350	229.630	229.756	230.432	230.894	23
24	229.645	229.862	229.478	229.358	229.322	229.181	229.360	229.353	229.581	229.902	230.404	230.581	24
25	229.807	229.877	229.874	229.533	229.222	229.218	229.438	229.341	229.438	229.902	230.460	230.567	25
26	229.858	229.911	229.697	229.332	229.182	229.240	229.488	229.388	229.563	229.908	230.407	230.469	26
27	229.888	229.900	229.502	229.332	229.268	229.262	229.408	229.350	229.726	229.834	230.377	230.523	27
28	229.850	229.734	229.803	229.332	229.213	229.325	229.488	229.374	229.644	230.076	230.420	230.575	28
29	230.039	229.748	229.867	229.383	229.133	229.286	229.508	229.347	229.578	229.956	230.252	230.548	29
30	229.838		229.726	229.447	229.185	229.178	229.498	229.332	230.020	230.005	230.374	230.429	30
31	229.852		229.897		229.417		229.302	229.335		230.108		230.487	31
MEAN	229.799	229.817	229.626	229.488	229.298	229.261	229.328	229.372	229.502	230.003	230.348	230.517	MEAN
MAX	230.124	230.121	229.874	229.782	229.524	229.580	229.578	229.578	230.020	230.371	230.478	230.798	MAX
MIN	229.447	229.561	229.368	229.178	229.115	229.148	229.030	229.307	229.255	229.908	230.121	230.248	MIN

SUMMARY FOR THE YEAR 1988

WATER LEVELS IN METRES

MEAN, 229.894
MAXIMUM DAILY, 230.798 ON DEC 20
MINIMUM DAILY, 229.030 ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 50 N
LONG 95 00 15 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

WOODY RIVER NEAR BOWSMAN - STATION NO. 05LE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8338	1.878	86.6	7.85	0.258	0	0.014	0	---	---	1
2	---	---	0.8338	1.778	184 A	7.11	0.207	0.003	0.020	0	---	---	2
3	---	---	0.8338	8.238	271 E	6.46	0.171	0.005	0.008	0	---	---	3
4	---	---	0.8338	41.5 E	276 A	5.82	0.138	0.002	0	0	---	---	4
5	---	---	0.7048	72.3 E	192 A	5.12	0.134	0	0	0	---	---	5
6	---	---	0.6468	112 E	135 A	4.65	0.135	0	0	0	---	---	6
7	---	---	0.9928	135	103	4.01	0.149	0	0	0	---	---	7
8	---	---	1.21 E	87.6	61.8	3.48	0.112	0	0	0.003	---	---	8
9	---	---	1.67 E	38.2	59.5	3.28	0.075	0	0	0.025	---	---	9
10	---	---	1.55 E	28.4	58.9	3.00	0.058	0	0	0.037	---	---	10
11	---	---	1.52 E	21.1	46.2	2.61	0.048	0	0	0.058	---	---	11
12	---	---	1.46 E	62.7	41.7	2.65	0.070	0	0	0.060	---	---	12
13	---	---	1.34 E	114	36.3	2.41	0.182	0	0	0.062	---	---	13
14	---	---	1.37 E	61.6	33.0	2.32	0.218	0	0	0.065	---	---	14
15	---	---	1.18 E	73.7	28.8	2.38	0.208	0	0	0.078	---	---	15
16	---	---	1.10 E	71.2	25.2	2.37	0.180	0	0	0.083	---	---	16
17	---	---	1.05 E	66.0	23.8	3.04	0.182	0.002	0	0.081	---	---	17
18	---	---	0.9448	60.3	20.8	1.84	0.171	0.020	0	0.083	---	---	18
19	---	---	0.8338	57.3	19.4	1.31	0.148	0.035	0	0.083	---	---	19
20	---	---	0.7188	48.2	17.8	0.984	0.198	0.051	0	0.116	---	---	20
21	---	---	0.6388	43.8	16.3	0.810	0.208	0.157	0	0.130	---	---	21
22	---	---	0.6188	37.4	14.8	0.818	0.184	0.177	0	0.144	---	---	22
23	---	---	0.6128	32.2	13.4	0.673	0.157	0.138	0	0.163	---	---	23
24	---	---	0.7728	28.6	12.3	0.618	0.117	0.103	0	0.161	---	---	24
25	---	---	1.20 E	24.0	11.4	0.591	0.108	0.080	0	0.165	---	---	25
26	---	---	1.20 E	23.2	11.1	0.611	0.092	0.068	0.006	0.173	---	---	26
27	---	---	1.16 E	26.6	11.0	0.606	0.088	0.088	0.012	0.1708	---	---	27
28	---	---	1.26 E	28.6	10.7	0.382	0.067	0.080	0.012	0.1888	---	---	28
29	---	---	1.41 E	47.6	10.1	0.303	0.026	0.068	0.002	0.1888	---	---	29
30	---		1.48 E	58.3	9.81	0.262	0.003	0.038	0	0.1878	---	---	30
31	---		1.49 E		8.89		0	0.023		0.1888		---	31
TOTAL	---	---	32.658	1 884.87	1 849.70	78.838	4.025	1.222	0.078	2.840	---	---	TOTAL
MEAN	---	---	1.05	62.2	59.7	2.85	0.130	0.039	0.003	0.085	---	---	MEAN
MAX	---	---	1.67	135	276	7.85	0.258	0.177	0.020	0.173	---	---	MAX
MIN	---	---	0.612	1.87	8.89	0.262	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.4
MAXIMUM DAILY, 276A ON MAY 4
MINIMUM DAILY, 0 ON JUL 31
MAXIMUM INSTANTANEOUS,
325 AT 18:00 CST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 30 N
LONG 101 08 15 W
DRAINAGE AREA, 2 110 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	348
FEB	---	AUG	106
MAR	2 820	SEP	8.57
APR	135 000	OCT	226
MAY	160 000	NOV	---
JUN	8 820	DEC	---

TOTAL DISCHARGE, 309 000 dam³

NAME	STATION NO.	PAGE
ANGLING RIVER NEAR BIRD	05UH001	1
ANTLER RIVER NEAR MELITA	05NF002	1
ARROW RIVER NEAR ARROW RIVER	05MG001	2
ASSINIBOINE RIVER AT HEADINGLEY	05MJ001	2
ASSINIBOINE RIVER NEAR BRANDON	05MH013	3
ASSINIBOINE RIVER NEAR HOLLAND	05MH005	3
ASSINIBOINE RIVER NEAR MINIOTA	05ME005	4
ASSINIBOINE RIVER NEAR RUSSELL	05ME001	4
ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE	05KS005	5
BACK LAKE NEAR OXFORD HOUSE	04AA003	5
BADGER CREEK NEAR CARTWRIGHT	05UA007	6
BALD HILL RESERVOIR NEAR MCCREARY	05LJ803	6
BARRINGTON RIVER BELOW FIRST RAPIDS	05EB003	7
BEAVER CREEK EAST OF BEAVER	05LL026	7
BEAVER LAKE NEAR PINE RIVER	05LS801	8
BELL LAKE NEAR NOYRA	05LF801	8
BELL RIVER NEAR BELLSITE	05LF002	9
BERENS RIVER AT OUTLET OF LONG LAKE	05RD007	9
BIG GRASS RIVER ANGLE DITCH NEAR GLENELLA	05LL025	10
BIG GRASS RIVER NEAR GLENELLA	05LL015	10
BIG WHITESHELL LAKE AT BIG WHITESHELL LAKE	05PG801	11
BIGISLAND LAKE NEAR FLIN FLON	05KE005	11
BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS	05KH003	12
BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS	05KH004	12
BIRCH RIVER NEAR BIRCH RIVER	05LE019	13
BIRD RIVER AT OUTLET OF BIRD LAKE	05PJ001	13
BIRDTAIL CREEK NEAR BIRTLE	05ME003	14
BIRNIE CREEK NEAR BIRNIE	05LL017	14
BLACK RIVER NEAR MANIGOTAGAN	05RA002	15
BLOODVEIN RIVER ABOVE BLOODVEIN BAY	05RB003	15
BOGGY CREEK ABOVE LAKE IRWIN	05LL013	16
BOGGY CREEK NEAR MEEPAWA	05LL011	16
BOISSEVAIN RESERVOIR NEAR BOISSEVAIN	05QA801	17
BOYNE RIVER ABOVE CARMAN DAM	05QF001	17
BOYNE RIVER NEAR CARMAN	05QF003	18
BOYNE RIVER NEAR ROSEISLE	05QF011	18
BOYNE RIVER NEAR STEPHENFIELD	05QF005	19
BOYNE RIVER NEAR TREHERNE	05QF010	19
BRERETON LAKE AT BRERETON LAKE (INVERNESS FALLS)	05PG807	20
BROKENHEAD RIVER NEAR BEAUSEJOUR	05SA002	20
BROKENHEAD RIVER NEAR VIVIAN	05SA004	21
BUFFALO CREEK NEAR ROSENFELD	05QC019	21
BURNTWOOD RIVER ABOVE LEAF RAPIDS	05TE002	22
BURNTWOOD RIVER NEAR THOMPSON	05TG001	22
BURROWS RESERVOIR NEAR MERRIDALE	05LJ811	23
CADDY LAKE AT CADDY LAKE CAMPGROUND	05PE808	23
CEDAR LAKE NEAR GLESON POINT	05KL005	24
CHILDS LAKE NEAR BUGGY CREEK	05MD058	24
CHURCHILL RIVER ABOVE GRANVILLE FALLS	05EA005	25
CHURCHILL RIVER ABOVE LEAF RAPIDS	05EB004	25
CHURCHILL RIVER ABOVE RED HEAD RAPIDS	05FD001	26
CHURCHILL RIVER BELOW FIDLER LAKE	05FB001	26
CLEARWATER LAKE AT GUY HILL	05KK005	27
COCHRANE RIVER NEAR BROCHET	05DA002	27
CONJURING CREEK NEAR RUSSELL	05ME005	28
COOKS CREEK AT COOKS CREEK	05QJ005	28
COOKS CREEK NEAR EAST SELKIRK	05QJ002	28
COOKS CREEK NEAR GLASS	05QJ007	29
CORMORANT LAKE AT CORMORANT	05KK002	30
CROSS LAKE AT CROSS LAKE	05UD001	30
CRYSTAL CITY RESERVOIR AT CRYSTAL CITY	05QB801	31
CRYSTAL CREEK NEAR CRYSTAL CITY	05QB005	31
CYPRESS CREEK NEAR CLEARWATER	05QB010	32
CYPRESS CREEK NEAR SARLES	05QB021	32
CYPRESS RIVER NEAR BRUXELLES	05MH005	33
CYPRESS RIVER NEAR CYPRESS RIVER	05MH004	33
DAUPHIN LAKE AT OCHRE BEACH	05LJ815	34
DAUPHIN LAKE AT OUTLET	05LJ005	34
DAUPHIN RIVER NEAR DAUPHIN RIVER	05LM005	35
DEAD CREEK NEAR LEE RIVER NORTH OF PINAWA	05PF005	35
DEAD HORSE CREEK NEAR ROSENFELD	05QC016	36
DEADHORSE CREEK AT MORDEN	05QC015	36
DEER RIVER NORTH OF SELKIRK	05FD002	37
DELORAINE RESERVOIR NEAR DELORAINE	05MG014	37
DENNIS LAKE NEAR MALONTON	05EE801	38
DEVILS CREEK NEAR LISBAU	05QJ015	38
DOG LAKE NEAR VOGAR	05LM005	39
EAGER LAKE NEAR TOD LAKE	05EE007	39
EAST FISHER RIVER NEAR HODGSON	05ED004	40
EDWARDS CREEK DRAIN BELOW JACKFISH CREEK	05LJ047	40
ELGIN CREEK NEAR SOURIS	05MG012	41
ELGIN RESERVOIR NEAR ELGIN	05MG803	41
ELM CREEK CHANNEL NEAR ELM CREEK	05DE005	42
ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK	05DE006	42
EPINETTE CREEK NEAR CARBERRY	05MH007	43
FAIRFORD RIVER NEAR FAIRFORD	05LM051	43
FALCON LAKE NEAR FALCON LAKE	05PD801	44
FAMILY LAKE AT LITTLE GRAND RAPIDS	05RD005	44
FISH LAKE AT OUTLET CONTROL STRUCTURE	05EB002	45
FISH LAKE DRAIN NEAR CAMP MORTON	05EB005	45
FISHER RIVER NEAR DALLAS	05ED002	46
FOOTPRINT LAKE AT NELSON HOUSE	05TF001	46
FOOTPRINT RIVER ABOVE FOOTPRINT LAKE	05TF002	47
FORK RIVER NEAR ETHELBERT	05LJ018	47
GAINSBOROUGH CREEK NEAR LYLETON	05NF007	48
GARLAND RIVER NEAR DUCK RIVER	05LG005	48
GAUER RIVER BELOW THORSTEINSON LAKE	05FA001	49
GIMBY CREEK NEAR CARTWRIGHT	05UA015	49
GODS LAKE AT OUTLET OF GODS LAKE	04AC005	50
GODS RIVER BELOW ALLEN RAPIDS	04AC005	50
GODS RIVER NEAR SHAMATTAWA	04AD003	51
GOPHER CREEK NEAR GLADSTONE	05LL024	51
GOPHER CREEK NEAR VIRDEN	05MG003	52
GOUDNEY RESERVOIR NEAR PILOT MOUND	05EB803	52
GRACE LAKE NEAR THE PAS	05KJ002	53
GRAHAM CREEK NEAR MELITA	05NF006	53
GRANVILLE LAKE AT GRANVILLE LAKE	05EB002	54
GRASS RIVER ABOVE STANDING STONE FALLS	05TD001	54
GRASS RIVER AT WEKUSKO FALLS	05TE003	55
GRASSMERE CREEK DRAIN NEAR MIDDLECHURCH	05JJ017	55
GULL LAKE AT SHERWOOD	05EA801	56
GUNISAO RIVER ABOVE DIAMOND RAPIDS	05UA003	56
HAYES RIVER BELOW GODS RIVER	04AB001	57

NAME	STATION NO.	PAGE
HAYES RIVER BELOW TROUT FALLS	04AA004	57
HIDDEN ISLAND COULEE NEAR HANESBORO	05DA005	58
ICELANDIC RIVER NEAR RIVERTON	05EC002	58
ISLAND LAKE NEAR ISLAND LAKE	04AC002	59
ISLAND LAKE RIVER NEAR ISLAND LAKE	04AC007	59
JACKFISH LAKE NEAR GRANDVIEW	05LJ807	60
JACKSON CREEK NEAR MELITA	05MF015	60
JACKSON LAKE NEAR SYDNEY	05LL802	61
JOUBERT CREEK AT ST. PIERRE-JOLYS	05OE007	61
KENTON CREEK AT KENTON	05ME005	62
KENTON RESERVOIR NEAR KENTON	05ME803	63
KETTLE RIVER NEAR GILLAM	05UF004	63
KILLARNEY LAKE AT KILLARNEY	05DA803	63
KISKITTO LAKE NEAR NORWAY HOUSE	05UB013	64
KISKITTOGISU LAKE AT WHISKEY JACK LANDING	05UB017	64
KISSISSING LAKE AT COLD LAKE	05EA003	65
KRONSGART DRAIN NEAR SEWELL	05DC024	65
LA SALLE RIVER ABOVE HAMPSON DAM	05OG801	66
LA SALLE RIVER ABOVE MOGUE DAM	05OG802	66
LA SALLE RIVER ABOVE LA SALLE DAM (P.R. 330)	05OG806	67
LA SALLE RIVER ABOVE LEWKO DAM	05OG803	67
LA SALLE RIVER ABOVE SANFORD DAM	05OG808	68
LA SALLE RIVER ABOVE ST. NORBERT DAM	05OG804	68
LA SALLE RIVER ABOVE STARBUCK DAM (P.R. 332)	05OG805	69
LA SALLE RIVER AT ELIE	05OG807	69
LA SALLE RIVER NEAR ELIE	05OG006	70
LA SALLE RIVER NEAR SANFORD	05OG001	70
LAKE IRWIN NEAR NEEPAWA	05LL010	71
LAKE MANITOBA AT STEEP ROCK	05LK002	71
LAKE MANITOBA AT THE NARROWS	05LK003	72
LAKE MANITOBA NEAR TOUTES AIDES	05LK004	72
LAKE MANITOBA NEAR WESTBOURNE	05LL012	73
LAKE MINNEWASTA NEAR MORDEN	05OC027	73
LAKE OF THE PRAIRIES NEAR SHELLMOUTH	05MD005	74
LAKE ST. MARTIN NEAR HILBRE	05LM005	74
LAKE WAHTOPANAH NEAR RIVERS	05MF020	75
LAKE WINNIPEG AT BERENS RIVER	05RD005	75
LAKE WINNIPEG AT GEORGE ISLAND	05RE003	76
LAKE WINNIPEG AT GIMLI	05EB005	76
LAKE WINNIPEG AT MATHESON ISLAND LANDING	05ED002	77
LAKE WINNIPEG AT MISSION POINT	05EG001	77
LAKE WINNIPEG AT MONTREAL POINT	05RF001	78
LAKE WINNIPEG AT PINE DOCK	05EL001	78
LAKE WINNIPEG AT VICTORIA BEACH	05EA003	79
LAKE WINNIPEGOSIS AT DAWSON BAY	05LD002	79
LAKE WINNIPEGOSIS AT WINNIPEGOSIS	05LH001	80
LIMESTONE RIVER NEAR BIRD	05UG001	80
LITTLE BEAVER RIVER NEAR THE MOUTH	05FB002	81
LITTLE CHURCHILL RIVER ABOVE RECLUSE LAKE	05FC001	81
LITTLE SASKATCHEWAN RIVER ABOVE RAPID CITY DAM	05MF801	82
LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA	05MF001	82
LITTLE SASKATCHEWAN RIVER NEAR RIVERS	05MF015	83
LITTLE SOURIS RIVER NEAR BRANDON	05MH005	83
LONG LAKE NEAR LITTLE GRAND RAPIDS	05RD010	84
LONG RIVER NEAR HOLMFIELD	05DA005	84
MAIN DRAIN NEAR DOMINION CITY	05DD026	85
MANIGOTAGAN RIVER NEAR MANIGOTAGAN	05RA001	85
MANNING CANAL NEAR ILE DES CHENES	05EE005	85
MAPLE LAKE NEAR PIPESTONE	05NG022	86
MARGARET LAKE NEAR OTTER FALLS	05FF801	87
MARSH RIVER NEAR OTTERBURNE	05GE010	87
MARY JANE RESERVOIR NEAR LA RIVIERE	05GB014	88
MCKINNON CREEK NEAR MCCREARY	05LJ027	88
MEDORA CREEK NEAR NAPINKA	05NE020	88
METIGOSHE LAKE NEAR METIGOSHE	05NF804	89
MINK CREEK NEAR ETHELBERT	05LJ010	90
MINNEWASTA CREEK NEAR SEVLAN	05ME008	90
MOOSE LAKE NEAR SPRAGUE	05PB802	91
MORRIS RIVER NEAR ROSENORT	05DF020	91
MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE	05LJ026	92
MOWBRAY CREEK NEAR MOWBRAY	05GB021	92
NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS	05UB004	93
NELSON RIVER (WEST CHANNEL) AT JENPEG	05UB008	93
NELSON RIVER ABOVE BLADDER RAPIDS	05UD004	94
NELSON RIVER AT KELSEY GENERATING STATION	05UE005	94
NELSON RIVER AT KETTLE GENERATING STATION	05UF006	95
NELSON RIVER AT LONG SPRUCE GENERATING STATION	05UF007	95
NELSON RIVER AT NORWAY HOUSE	05UB001	96
NETLEY CREEK NEAR MATLOCK	05GJ008	96
NETLEY CREEK NEAR PETERSFIELD	05GJ006	97
NORTH DUCK RIVER AT COWAN	05LE004	97
NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE	05KK005	98
NORTH PINE RIVER NEAR PINE RIVER	05LE001	98
NORTH SEAL RIVER BELOW STONY LAKE	05GB001	98
NORTH SHANNON CREEK NEAR MYRTLE	05GF015	99
NORTH SHOAL LAKE NEAR INWOOD	05LN004	100
NUTIMIK LAKE AT NUTIMIK LAKE	05PF802	100
OAK CREEK NEAR GLENBORO	05NG027	101
OAK CREEK NEAR STOCKTON	05NE010	101
OAK LAKE AT OAK LAKE RESORT	05NG008	102
OAK RIVER AT SHOAL LAKE	05MG006	102
OAK RIVER NEAR RIVERS	05MG004	103
OCHRE RIVER AT OCHRE RIVER	05LJ008	103
ODEI RIVER NEAR THOMPSON	05TE003	104
OMANDS CREEK NEAR BROOKSIDE CEMETERY	05MJ006	104
OMANDS CREEK NEAR METRO ROUTE 80	05MJ007	105
OTTER LAKE NEAR BROAD VALLEY	05ED801	105
OVERFLOWING RIVER AT OVERFLOWING RIVER	05LD001	106
OXFORD LAKE AT OXFORD HOUSE	04AA002	106
PANSY DRAIN NEAR SARTO	05DE016	107
PARTRIDGE CREEK NEAR ST. MARTIN	05LM002	107
PELICAN CREEK SOUTH TRIBUTARY NEAR BIRNIE	05LL027	108
PELICAN LAKE NEAR NINETTE	05AA802	108
PEMBINA RIVER ABOVE LORNE LAKE	05DA010	109
PEMBINA RIVER AT NECHE	05DC004	109
PEMBINA RIVER BELOW CRYSTAL CREEK	05DD023	110
PEMBINA RIVER NEAR KILLARNEY	05DA006	110
PEMBINA RIVER NEAR WINDYGATES	05DB007	111
PIGEON RIVER AT OUTLET OF ROUND LAKE	05RD008	111
PILOT CREEK NEAR PILOT MOUND	05GD026	112
PINE CREEK DIVERSION NEAR PINEY	05DD027	112

NAME	STATION NO.	PAGE
PINE CREEK NEAR MELBOURNE	05LL014	113
PINE CREEK NEAR PINE CREEK STATION	05LL007	113
PIPESTONE CREEK NEAR PIPESTONE	05MG003	114
PIPESTONE CREEK NEAR THE SASKATCHEWAN BOUNDARY	05NG024	114
PLAYGREEN LAKE AT ENTRANCE TO EAST NELSON RIVER	05UB005	115
PLEASANT VALLEY CREEK NEAR GRANDVIEW	05LJ031	115
PLEASANT VALLEY RESERVOIR NEAR PETLURA	05LJ808	116
PLUM CREEK NEAR SOURIS	05NG007	116
PLUM LAKE ABOVE DELEAU DAM	05MG801	117
PLUM LAKE NEAR FINDLAY	05NG808	117
POPLAR RIVER AT OUTLET OF WEAVER LAKE	06KE001	118
PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE	05LL018	118
PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE	05MJ008	119
RAT RIVER NEAR OTTERBURNE	05OE001	119
RAT RIVER NEAR ST. MALO	05OE002	120
RAT RIVER NEAR SUNDOWN	05OE004	120
RED DEER LAKE NEAR NARROWS	05LC003	121
RED DEER RIVER NEAR THE MOUTH	05LC004	121
RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE	05OC021	122
RED RIVER AT EMERSON	05OC001	122
RED RIVER AT JAMES AVENUE PUMPING STATION	05OJ015	123
RED RIVER FLOODWAY NEAR ST. NORBERT	05OC017	123
RED RIVER NEAR LOCKPORT	05OJ010	124
RED RIVER NEAR ST. ADOLPHE	05OC853	124
RED RIVER NEAR STE. AGATHE	05OC012	125
RED SUCKER LAKE AT RED SUCKER LAKE	04AC006	125
REINDEER LAKE AT BROCHET	06DB001	126
RENNIE RIVER NEAR RENNIE	05PG002	126
RIVIERE AUX MARAIS NEAR CHRISTIE	05OC022	127
ROARING RIVER NEAR MINITONAS	05LE005	127
ROCK LAKE NEAR GLENORA	05OB027	128
ROLLING RIVER NEAR ERICKSON	05MF005	128
ROSEAU RIVER ABOVE DOMINION CITY DAM (P.R. 200)	05OD802	129
ROSEAU RIVER AT GARDENTON	05OD004	129
ROSEAU RIVER NEAR CARIBOU	05OD030	130
ROSEAU RIVER NEAR DOMINION CITY	05OD001	130
ROSEISLE CREEK NEAR ROSEISLE	05OF005	131
ROUND LAKE AT OUTLET	05RD011	131
RUSSELL LAKE NEAR MERRIOT	05EB005	132
RUSSELL RESERVOIR NEAR RUSSELL	05ME803	132
SASKATCHEWAN RIVER AT GRAND RAPIDS	05KL001	133
SASKATCHEWAN RIVER AT THE PAS	05KJ001	133
SCHIST LAKE NEAR CHANNING	05KE004	134
SCISSOR CREEK NEAR MCAULEY	05ME005	134
SEAL RIVER BELOW GREAT ISLAND	05GD001	135
SEINE RIVER AT STE. ANNE	05OH802	135
SEINE RIVER DIVERSION NEAR ILE DES CHENES	05OE011	136
SEINE RIVER DIVERSION NEAR STE. ANNE	05OH006	136
SEINE RIVER NEAR STE. ANNE	05OH007	137
SEINE RIVER SOUTH OF PRAIRIE GROVE	05OH008	137
SHANNON CREEK NEAR MORRIS	05OF014	138
SHANNON CREEK NEAR WINKLER	05OF022	138
SHARPE LAKE NEAR DELORAINE	05NF805	139
SHELL RIVER NEAR INGLIS	05MD005	139
SHELL RIVER NEAR ROBLIN	05MD007	140
SHOAL LAKE AT INDIAN BAY	05PD004	140
SHOAL LAKE AT SHOAL LAKE	05MG007	141
SILVER CREEK NEAR GRANDVIEW	05LJ040	141
SIPIWESK LAKE AT FORESTRY DOCK	05UD005	142
SIPIWESK LAKE AT SIPIWESK LANDING	05UD049	142
SNOW LAKE ABOVE SNOW CREEK DAM	05TB802	143
SNOWFLAKE CREEK NEAR SNOWFLAKE	05OB018	143
SOURIS RIVER ABOVE HARTNEY DAM	05NG806	144
SOURIS RIVER AT SOURIS	05NG021	144
SOURIS RIVER AT WAWANESA	05NG001	145
SOURIS RIVER NEAR COULTER	05NF018	145
SOURIS RIVER NEAR MELITA (P.T.H. NO.3)	05NF803	146
SOURIS RIVER NEAR WESTHOPE	05NF012	146
SOUTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE	05KK006	147
SOUTH SEAL RIVER ABOVE FOX LAKE	06GA001	147
SOUTH TOBACCO CREEK NEAR MIAMI	05OF017	148
SOUTHERN INDIAN LAKE AT MISSI FALLS	05EC006	148
SOUTHERN INDIAN LAKE AT SOUTH BAY	05EC003	149
SOUTHERN INDIAN LAKE NEAR OPACHUANAU LAKE	05EC007	149
SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE	05EC001	150
SPLIT LAKE AT SPLIT LAKE	05UF003	150
ST. MALO LAKE NEAR ST. MALO	05OE003	151
STE. ROSE RESERVOIR NEAR STE. ROSE	05LJ810	151
STEEPROCK RIVER NEAR MAFEKING	05LF001	152
STEPHENFIELD LAKE NEAR STEPHENFIELD	05OF006	152
STONY CREEK NEAR BROOMHILL	05NG018	153
STONY CREEK NEAR NEEPAWA	05LL008	153
STURGEON CREEK AT ST. JAMES	05MJ004	154
STURGEON CREEK NEAR PERIMETER HIGHWAY	05MJ011	154
SWAN (PEMBINA) LAKE NEAR SWAN LAKE	05OB016	155
SWAN CREEK NEAR LUNDAR	05LH003	155
SWAN LAKE NEAR NOYRA	05LE007	156
SWAN RIVER NEAR MINITONAS	05LE005	156
TAYLOR RIVER NEAR THOMPSON	05TB003	157
TEAKO CREEK NEAR DEAD CREEK NORTH OF PINAWA	05PF087	157
TOBACCO CREEK NEAR ROSEBANK	05OF016	158
TOUROND CREEK NEAR TOUROND	05OE008	158
TRURO CREEK AT WESTERN AIRPORT BOUNDARY	05MJ009	159
TRURO CREEK NEAR ASSINIBOINE GOLF COURSE	05MJ010	159
TURTLE RIVER NEAR LAURIER	05LJ007	160
TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR	05NG016	160
VALLEY RIVER ABOVE GILBERT PLAINS DAM	05LJ812	161
VALLEY RIVER NEAR DAUPHIN	05LJ010	161
VALLEY RIVER NEAR GRANDVIEW	05LJ021	162
VERMILION RESERVOIR NEAR DAUPHIN	05LJ048	162
VERMILION RIVER NEAR DAUPHIN	05LJ012	163
WANIPIGOW LAKE NEAR SISSETT (CAMPGROUND)	05KA803	163
WASKADA CREEK NEAR CRANMER	05NF014	164
WATERHEN LAKE AT SKOWHAN	05LH004	164
WATERHEN RIVER NEAR WATERHEN	05LH005	165
WEAVER LAKE AT OUTLET	05RF002	165
WEIR RIVER ABOVE THE MOUTH	05UH002	166
WEST HAWK LAKE AT WEST HAWK LAKE (CAMPGROUND)	05PG803	166
WEST SQUIRREL CREEK NEAR AUSTIN	05LL001	167
WHITE LAKE AT WHITE LAKE CAMPGROUND	05PG811	167
WHITEMOUTH LAKE NEAR THE OUTLET	05PH005	168
WHITEMOUTH RIVER NEAR WHITEMOUTH	05PH003	168
WHITEMUD RIVER ABOVE GLADSTONE DAM	05LL810	169
WHITEMUD RIVER AT WESTBOURNE	05LL002	169

INDEX (CONT.)

NAME	STATION NO.	PAGE
WHITEMUD RIVER NEAR KEYES	05LL005	170
WHITESHELL RIVER AT OUTLET OF JESSICA LAKE	05PG001	170
WHITEWATER LAKE NEAR BOISSEVAIN	05NG023	171
WILD GOOSE CREEK NEAR DEAD CREEK NORTH OF PINAWA	05PF055	171
WILLOW CREEK NEAR CHATER	05NH011	172
WILLOW CREEK NEAR GIMLI	05ES002	172
WILSON CREEK NEAR MCCREARY	05LJ801	173
WILSON RIVER NEAR ASHVILLE	05LJ045	173
WINNIPEG RIVER AT LAC DU BONNET	05PF002	174
WINNIPEG RIVER AT MCARTHUR GENERATING STATION	05PF055	174
WINNIPEG RIVER AT PINE FALLS GENERATING STATION	05PF059	175
WINNIPEG RIVER AT SLAVE FALLS	05PF053	175
WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT	05PF057	176
WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT	05PF048	176
WOODY RIVER NEAR BOWSMAN	05LE004	177

STATION NO.	NAME	PAGE
04AA002	OXFORD LAKE AT OXFORD HOUSE	108
04AA003	BACK LAKE NEAR OXFORD HOUSE	5
04AA004	HAYES RIVER BELOW TROUT FALLS	87
04AB001	HAYES RIVER BELOW GODS RIVER	87
04AC002	ISLAND LAKE NEAR ISLAND LAKE	88
04AC005	GODS RIVER BELOW ALLEN RAPIDS	80
04AC006	GODS LAKE AT OUTLET OF GODS LAKE	80
04AC007	ISLAND LAKE RIVER NEAR ISLAND LAKE	88
04AC008	RED SUCKER LAKE AT RED SUCKER LAKE	125
04AD002	GODS RIVER NEAR SHAMATTAWA	81
05KG004	SCHIST LAKE NEAR CHANNING	134
05KG005	ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE	5
05KG006	BIGISLAND LAKE NEAR FLIN FLON	11
05KH003	BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS	12
05KH004	BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS	12
05KJ001	SASKATCHEWAN RIVER AT THE PAS	133
05KJ002	GRACE LAKE NEAR THE PAS	53
05KK002	CORMORANT LAKE AT CORMORANT	30
05KK005	NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE	86
05KK006	SOUTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE	147
05KK008	CLEARWATER LAKE AT GUY HILL	27
05KL001	SASKATCHEWAN RIVER AT GRAND RAPIDS	133
05KL005	CEDAR LAKE NEAR OLESON POINT	24
05LC003	RED DEER LAKE NEAR BARROWS	121
05LC004	RED DEER RIVER NEAR THE MOUTH	121
05LD001	OVERFLOWING RIVER AT OVERFLOWING RIVER	108
05LD002	LAKE WINNIPEGOSIS AT DAWSON BAY	78
05LE004	WOODY RIVER NEAR BOWSMAN	177
05LE005	ROARING RIVER NEAR MINITONAS	127
05LE006	SWAN RIVER NEAR MINITONAS	188
05LE007	SWAN LAKE NEAR NOVRA	188
05LE010	BIRCH RIVER NEAR BIRCH RIVER	13
05LF001	STEEPROCK RIVER NEAR MAPEKING	182
05LF002	BELL RIVER NEAR BELLSITE	9
05LF801	BELL LAKE NEAR NOVRA	8
05LG001	NORTH PINE RIVER NEAR PINE RIVER	98
05LG004	NORTH DUCK RIVER AT COWAN	87
05LG008	GARLAND RIVER NEAR DUCK RIVER	48
05LG801	BEAVER LAKE NEAR PINE RIVER	8
05LH001	LAKE WINNIPEGOSIS AT WINNIPEGOSIS	80
05LH005	WATERHEN RIVER NEAR WATERHEN	185
05LH008	WATERHEN LAKE AT SKOWMAN	184
05LJ005	OCHRE RIVER AT OCHRE RIVER	103
05LJ007	TURTLE RIVER NEAR LAURIER	180
05LJ009	DAUPHIN LAKE AT OUTLET	34
05LJ010	VALLEY RIVER NEAR DAUPHIN	181
05LJ012	VERMILION RIVER NEAR DAUPHIN	183
05LJ018	FORK RIVER NEAR ETHELBERT	47
05LJ019	MINK CREEK NEAR ETHELBERT	80
05LJ021	VALLEY RIVER NEAR GRANDVIEW	182
05LJ025	MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE	82
05LJ027	MCKINNON CREEK NEAR MCCREARY	88
05LJ031	PLEASANT VALLEY CREEK NEAR GRANDVIEW	118
05LJ040	SILVER CREEK NEAR GRANDVIEW	141
05LJ045	WILSON RIVER NEAR ASHVILLE	173
05LJ046	VERMILION RESERVOIR NEAR DAUPHIN	182
05LJ047	EDWARDS CREEK DRAIN BELOW JACKFISH CREEK	40
05LJ801	WILSON CREEK NEAR MCCREARY	173
05LJ803	BALD HILL RESERVOIR NEAR MCCREARY	8
05LJ807	JACKFISH LAKE NEAR GRANDVIEW	80
05LJ808	PLEASANT VALLEY RESERVOIR NEAR PETLURA	118
05LJ810	STE. ROSE RESERVOIR NEAR STE. ROSE	151
05LJ811	BURROWS RESERVOIR NEAR MERRIDALE	23
05LJ812	VALLEY RIVER ABOVE GILBERT PLAINS DAM	181
05LJ818	DAUPHIN LAKE AT OCHRE BEACH	34
05LK002	LAKE MANITOBA AT STEEP ROCK	71
05LK003	LAKE MANITOBA AT THE NARROWS	72
05LK004	LAKE MANITOBA NEAR TOUTES AIDES	72
05LL001	WEST SQUIRREL CREEK NEAR AUSTIN	187
05LL002	WHITEMUD RIVER AT WESTBOURNE	188
05LL005	WHITEMUD RIVER NEAR KEYES	170
05LL007	PINE CREEK NEAR PINE CREEK STATION	113
05LL008	STONY CREEK NEAR NEEPAWA	153
05LL010	LAKE IRWIN NEAR NEEPAWA	71
05LL011	BOGGY CREEK NEAR NEEPAWA	18
05LL012	LAKE MANITOBA NEAR WESTBOURNE	73
05LL013	BOGGY CREEK ABOVE LAKE IRWIN	18
05LL014	PINE CREEK NEAR MELBOURNE	113
05LL015	BIG GRASS RIVER NEAR GLENELLA	10
05LL017	BIRNIE CREEK NEAR BIRNIE	14
05LL018	PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE	118
05LL024	GOPHER CREEK NEAR GLADSTONE	81
05LL026	BIG GRASS RIVER ANGLE DITCH NEAR GLENELLA	10
05LL027	PELICAN CREEK SOUTH TRIBUTARY NEAR BIRNIE	108
05LL028	BEAVER CREEK EAST OF BEAVER	7
05LL802	JACKSON LAKE NEAR SYDNEY	81
05LL810	WHITEMUD RIVER ABOVE GLADSTONE DAM	188
05LM001	FAIRFORD RIVER NEAR FAIRFORD	42
05LM002	PARTRIDGE CREEK NEAR ST. MARTIN	107
05LM005	LAKE ST. MARTIN NEAR MILORE	74
05LM009	DAUPHIN RIVER NEAR DAUPHIN RIVER	35
05LN003	SWAN CREEK NEAR LUNDAR	185
05LN004	NORTH SHOAL LAKE NEAR INWOOD	100
05LN005	DOG LAKE NEAR VOGAR	39
05MD005	SHELL RIVER NEAR INGLIS	139
05MD007	SHELL RIVER NEAR ROBLIN	140
05MD008	CHILDS LAKE NEAR BOGGY CREEK	24
05MD009	LAKE OF THE PRAIRIES NEAR SHELLMOUTH	74
05ME001	ASSINIBOINE RIVER NEAR RUSSELL	4
05ME003	BIRDTAIL CREEK NEAR BIRTLE	14
05ME005	CONJURING CREEK NEAR RUSSELL	28
05ME006	ASSINIBOINE RIVER NEAR MINIOTA	4
05ME008	MINNEWASTA CREEK NEAR BEULAH	80
05ME009	SCISSOR CREEK NEAR MCAULEY	134
05ME803	RUSSELL RESERVOIR NEAR RUSSELL	132
05MF001	LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA	82
05MF008	ROLLING RIVER NEAR ERICKSON	128
05MF018	LITTLE SASKATCHEWAN RIVER NEAR RIVERS	83
05MF020	LAKE WAHTOPANAH NEAR RIVERS	75
05MF801	LITTLE SASKATCHEWAN RIVER ABOVE RAPID CITY DAM	82
05MG001	ARROW RIVER NEAR ARROW RIVER	2
05MG003	GOPHER CREEK NEAR VIRDEN	82
05MG004	OAK RIVER NEAR RIVERS	103
05MG006	KENTON CREEK AT KENTON	82
05MG007	SHOAL LAKE AT SHOAL LAKE	141
05MG008	OAK RIVER AT SHOAL LAKE	102
05MG803	KENTON RESERVOIR NEAR KENTON	82
05MH004	CYPRESS RIVER NEAR CYPRESS RIVER	33
05MH005	ASSINIBOINE RIVER NEAR HOLLAND	3

INDEX (CONT.)

STATION NO.	NAME	PAGE
05MN008	LITTLE SOURIS RIVER NEAR BRANDON	83
05MN007	EPINETTE CREEK NEAR CARBERRY	43
05MN008	CYPRESS RIVER NEAR BRUXELLES	43
05MN011	WILLOW CREEK NEAR CHATER	33
05MN013	ASSINIBOINE RIVER NEAR BRANDON	172
05MJ001	ASSINIBOINE RIVER AT HEADINGLEY	3
05MJ004	STURGEON CREEK AT ST. JAMES	3
05MJ005	PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE	184
05MJ007	OMANDS CREEK NEAR METRO ROUTE 90	118
05MJ008	OMANDS CREEK NEAR BROOKSIDE CEMETERY	108
05MJ009	TRURO CREEK AT WESTERN AIRPORT BOUNDARY	104
05MJ010	TRURO CREEK NEAR ASSINIBOINE GOLF COURSE	189
05MJ011	STURGEON CREEK NEAR PERIMETER HIGHWAY	189
05NF002	ANTLER RIVER NEAR MELITA	184
05NF007	GAINSBOROUGH CREEK NEAR LYLETON	1
05NF008	GRAHAM CREEK NEAR MELITA	48
05NF012	SOURIS RIVER NEAR WESTHOPE	53
05NF014	WASKADA CREEK NEAR CRANMER	148
05NF015	JACKSON CREEK NEAR MELITA	184
05NF016	SOURIS RIVER NEAR COULTER	60
05NF803	SOURIS RIVER NEAR MELITA (P.T.H. NO.3)	145
05NF804	METIGOSHE LAKE NEAR METIGOSHE	148
05NF805	SHARPE LAKE NEAR DELORAINE	89
05NG001	SOURIS RIVER AT WAWANESA	139
05NG003	PIPESTONE CREEK NEAR PIPESTONE	145
05NG007	PLUM CREEK NEAR SOURIS	114
05NG008	OAK LAKE AT OAK LAKE RESORT	116
05NG010	OAK CREEK NEAR STOCKTON	102
05NG012	ELGIN CREEK NEAR SOURIS	101
05NG014	DELORAINE RESERVOIR NEAR DELORAINE	41
05NG016	TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR	37
05NG019	STONY CREEK NEAR BROOMHILL	180
05NG020	MEDORA CREEK NEAR NAPINKA	183
05NG021	SOURIS RIVER AT SOURIS	89
05NG022	MAPLE LAKE NEAR PIPESTONE	144
05NG023	WHITEWATER LAKE NEAR BOISSEVAIN	88
05NG024	PIPESTONE CREEK NEAR THE SASKATCHEWAN BOUNDARY	171
05NG027	OAK CREEK NEAR GLENBORO	114
05NG801	PLUM LAKE ABOVE DELEAU DAM	101
05NG803	ELGIN RESERVOIR NEAR ELGIN	117
05NG806	SOURIS RIVER ABOVE HARTNEY DAM	41
05NG809	PLUM LAKE NEAR PINDLAY	144
05QA005	HIDDEN ISLAND COULEE NEAR HANESBORO	117
05QA006	LONG RIVER NEAR HOLMFIELD	88
05QA007	BADGER CREEK NEAR CARTWRIGHT	84
05QA008	PEMBINA RIVER NEAR KILLARNEY	6
05QA010	PEMBINA RIVER ABOVE LORNE LAKE	110
05QA015	GIMBY CREEK NEAR CARTWRIGHT	109
05QA801	BOISSEVAIN RESERVOIR NEAR BOISSEVAIN	40
05QA802	PELICAN LAKE NEAR NINETTE	17
05QA803	KILLARNEY LAKE AT KILLARNEY	108
05QB006	CRYSTAL CREEK NEAR CRYSTAL CITY	83
05QB007	PEMBINA RIVER NEAR WINDYGATES	31
05QB010	CYPRESS CREEK NEAR CLEARWATER	111
05QB014	MARY JANE RESERVOIR NEAR LA RIVIERE	32
05QB016	SNOWFLAKE CREEK NEAR SNOWFLAKE	86
05QB018	SWAN (PEMBINA) LAKE NEAR SWAN LAKE	143
05QB021	MOWBRAY CREEK NEAR MOWBRAY	188
05QB023	PEMBINA RIVER BELOW CRYSTAL CREEK	92
05QB026	PILOT CREEK NEAR PILOT MOUND	110
05QB027	ROCK LAKE NEAR GLENORA	112
05QB031	CYPRESS CREEK NEAR SARLES	126
05QB801	CRYSTAL CITY RESERVOIR AT CRYSTAL CITY	32
05QB803	GOUDNEY RESERVOIR NEAR PILOT MOUND	31
05QC001	RED RIVER AT EMERSON	82
05QC004	PEMBINA RIVER AT NECHE	122
05QC012	RED RIVER NEAR STE. AGATHE	109
05QC015	DEADHORSE CREEK AT MORDEN	128
05QC016	DEAD HORSE CREEK NEAR ROSENFELD	36
05QC017	RED RIVER FLOODWAY NEAR ST. NORBERT	38
05QC019	BUFFALO CREEK NEAR ROSENFELD	123
05QC021	RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE	21
05QC022	RIVIERE AUX MARAIS NEAR CHRISTIE	122
05QC024	KROMEGART DRAIN NEAR SEWELL	127
05QC027	LAKE MINNEWASTA NEAR MORDEN	85
05QC803	RED RIVER NEAR ST. ADOLPHE	73
05QD001	ROSEAU RIVER NEAR DOMINION CITY	124
05QD004	ROSEAU RIVER AT GARDENTON	130
05QD027	PINE CREEK DIVERSION NEAR PINEY	128
05QD028	MAIN DRAIN NEAR DOMINION CITY	112
05QD030	ROSEAU RIVER NEAR CARIBOU	85
05QD802	ROSEAU RIVER ABOVE DOMINION CITY DAM (P.R. 306)	130
05QE001	RAT RIVER NEAR OTTERBURNE	129
05QE002	RAT RIVER NEAR ST. MALO	118
05QE003	ST. MALO LAKE NEAR ST. MALO	120
05QE004	RAT RIVER NEAR SUNDOWN	161
05QE006	MANNING CANAL NEAR ILE DES CHENES	120
05QE007	JOUBERT CREEK AT ST. PIERRE-JOLYS	88
05QE009	TOUROND CREEK NEAR TOUROND	81
05QE010	MARSH RIVER NEAR OTTERBURNE	166
05QE011	SEINE RIVER DIVERSION NEAR ILE DES CHENES	87
05QE014	PANSY DRAIN NEAR SARTO	138
05QF003	BOYNE RIVER NEAR CARMAN	107
05QF006	BOYNE RIVER NEAR STEPHENFIELD	18
05QF008	STEPHENFIELD LAKE NEAR STEPHENFIELD	18
05QF009	ROSEISLE CREEK NEAR ROSEISLE	182
05QF010	BOYNE RIVER NEAR TRENERNE	131
05QF011	BOYNE RIVER NEAR ROSEISLE	18
05QF014	SHANNON CREEK NEAR MORRIS	18
05QF015	NORTH SHANNON CREEK NEAR MYRTLE	138
05QF017	SOUTH TOBACCO CREEK NEAR MIAMI	89
05QF018	TOBACCO CREEK NEAR ROSEBANK	148
05QF030	MORRIS RIVER NEAR ROSENORT	168
05QF032	SHANNON CREEK NEAR WINKLER	81
05QF801	BOYNE RIVER ABOVE CARMAN DAM	138
05QG001	LA SALLE RIVER NEAR SANFORD	17
05QG005	ELM CREEK CHANNEL NEAR ELM CREEK	70
05QG006	ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK	42
05QG008	LA SALLE RIVER NEAR ELIE	42
05QG801	LA SALLE RIVER ABOVE HAMPSON DAM	70
05QG802	LA SALLE RIVER ABOVE HOGUE DAM	88
05QG803	LA SALLE RIVER ABOVE LEWKO DAM	88
05QG804	LA SALLE RIVER ABOVE ST. NORBERT DAM	87
05QG805	LA SALLE RIVER ABOVE STARBUCK DAM (P.R. 332)	88
05QG806	LA SALLE RIVER ABOVE SANFORD DAM	89
05QG807	LA SALLE RIVER AT ELIE	88
05QG808	LA SALLE RIVER ABOVE LA SALLE DAM (P.R. 330)	88
05QH007	SEINE RIVER NEAR STE. ANNE	87
05QH008	SEINE RIVER DIVERSION NEAR STE. ANNE	137
		138

STATION NO.	NAME	PAGE
05OH005	SEINE RIVER SOUTH OF PRAIRIE GROVE	137
05OH002	SEINE RIVER AT STE. ANNE	138
05OJ002	COOKS CREEK NEAR EAST SELKIRK	29
05EJ008	COOKS CREEK AT COOKS CREEK	28
05OJ007	COOKS CREEK NEAR GLASS	29
05EJ008	NETLEY CREEK NEAR PETERSFIELD	87
05EJ009	NETLEY CREEK NEAR MATLOCK	88
05OJ010	RED RIVER NEAR LOCKPORT	124
05OJ015	RED RIVER AT JAMES AVENUE PUMPING STATION	123
05OJ016	DEVILS CREEK NEAR LISAU	28
05OJ017	GRASSMERE CREEK DRAIN NEAR MIDDLECHURCH	85
05PD004	SHOAL LAKE AT INDIAN BAY	140
05PE001	FALCON LAKE NEAR FALCON LAKE	44
05PE002	MOOSE LAKE NEAR SPRAGUE	91
05PF048	WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT	178
05PF057	WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT	178
05PF082	WINNIPEG RIVER AT LAC DU BONNET	174
05PF083	WINNIPEG RIVER AT SLAVE FALLS	175
05PF085	DEAD CREEK NEAR LEE RIVER NORTH OF PINAWA	35
05PF086	WILD GOOSE CREEK NEAR DEAD CREEK NORTH OF PINAWA	171
05PF087	TEAKO CREEK NEAR DEAD CREEK NORTH OF PINAWA	187
05PF088	WINNIPEG RIVER AT MCARTHUR GENERATING STATION	174
05PF089	WINNIPEG RIVER AT PINE FALLS GENERATING STATION	178
05PF801	MARGARET LAKE NEAR OTTER FALLS	87
05PF802	NUTIMIK LAKE AT NUTIMIK LAKE	100
05PG001	WHITESHELL RIVER AT OUTLET OF JESSICA LAKE	170
05PG002	RENNIE RIVER NEAR RENNIE	126
05PG801	BIG WHITESHELL LAKE AT BIG WHITESHELL LAKE	11
05PG803	WEST HAWK LAKE AT WEST HAWK LAKE (CAMPGROUND)	188
05PG806	CADDY LAKE AT CADDY LAKE CAMPGROUND	23
05PG807	BRERETON LAKE AT BRERETON LAKE (INVERNESS FALLS)	20
05PG811	WHITE LAKE AT WHITE LAKE CAMPGROUND	187
05PH003	WHITEMOUTH RIVER NEAR WHITEMOUTH	188
05PH005	WHITEMOUTH LAKE NEAR THE OUTLET	188
05PJ001	BIRD RIVER AT OUTLET OF BIRD LAKE	13
05RA001	MANIGOTAGAN RIVER NEAR MANIGOTAGAN	85
05RA002	BLACK [illegible] NEAR MANIGOTAGAN	15
05RA803	WANI[illegible]AKE NEAR BISSETT (CAMPGROUND)	183
05RB003	BLOO[illegible]IVER ABOVE BLOODVEIN BAY	15
05RD005	LAKE W[illegible]G AT BERENS RIVER	75
05RD006	FAMILY LAKE AT LITTLE GRAND RAPIDS	44
05RD007	BERENS RIVER AT OUTLET OF LONG LAKE	9
05RD008	PIGEON RIVER AT OUTLET OF ROUND LAKE	111
05RD010	LONG LAKE NEAR LITTLE GRAND RAPIDS	84
05RD011	ROUND LAKE AT OUTLET	131
05RE001	POPLAR RIVER AT OUTLET OF WEAVER LAKE	118
05RE002	WEAVER LAKE AT OUTLET	188
05RE003	LAKE WINNIPEG AT GEORGE ISLAND	78
05RF001	LAKE WINNIPEG AT MONTREAL POINT	78
05SA002	BROKENHEAD RIVER NEAR BEAUSEJOUR	20
05SA003	LAKE WINNIPEG AT VICTORIA BEACH	79
05SA004	BROKENHEAD RIVER NEAR VIVIAN	21
05SA801	GULL LAKE AT SHERWOOD	88
05SB002	WILLOW CREEK NEAR GIMLI	172
05SB003	FISH LAKE AT OUTLET CONTROL STRUCTURE	45
05SB005	FISH LAKE DRAIN NEAR CAMP MORTON	45
05SB008	LAKE WINNIPEG AT GIMLI	78
05SB801	DENNIS LAKE NEAR MALONTON	38
05SC002	ICELANDIC RIVER NEAR RIVERTON	86
05SD001	LAKE WINNIPEG AT PINE DOCK	78
05SD002	LAKE WINNIPEG AT MATHESON ISLAND LANDING	77
05SD003	FISHER RIVER NEAR DALLAS	46
05SD004	EAST FISHER RIVER NEAR HODGSON	40
05SD801	OTTER LAKE NEAR BROAD VALLEY	105
05SG001	LAKE WINNIPEG AT MISSION POINT	77
05TB002	GRASS RIVER AT WEKUSKO FALLS	55
05TB802	SNOW LAKE ABOVE SNOW CREEK DAM	143
05TD001	GRASS RIVER ABOVE STANDING STONE FALLS	54
05TE002	BURNTWOOD RIVER ABOVE LEAF RAPIDS	22
05TF001	FOOTPRINT LAKE AT NELSON HOUSE	48
05TF002	FOOTPRINT RIVER ABOVE FOOTPRINT LAKE	47
05TG001	BURNTWOOD RIVER NEAR THOMPSON	22
05TG002	TAYLOR RIVER NEAR THOMPSON	157
05TG003	ODEI RIVER NEAR THOMPSON	104
05UA003	GUNISAO RIVER ABOVE DIAMOND RAPIDS	56
05UB001	NELSON RIVER AT NORWAY HOUSE	95
05UB005	PLAYGREEN LAKE AT ENTRANCE TO EAST NELSON RIVER	115
05UB008	NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS	93
05UB009	NELSON RIVER (WEST CHANNEL) AT JENPEG	93
05UB013	KISKITTO LAKE NEAR NORWAY HOUSE	84
05UB017	KISKITTOGISU LAKE AT WHISKEY JACK LANDING	84
05UD001	CROSS LAKE AT CROSS LAKE	30
05UD004	NELSON RIVER ABOVE BLADDER RAPIDS	94
05UD006	SIPIWESK LAKE AT FORESTRY DOCK	142
05UD007	SIPIWESK LAKE AT SIPIWESK LANDING	142
05UE005	NELSON RIVER AT KELSEY GENERATING STATION	94
05UF003	SPLIT LAKE AT SPLIT LAKE	150
05UF004	KETTLE RIVER NEAR GILLAM	83
05UF006	NELSON RIVER AT KETTLE GENERATING STATION	95
05UF007	NELSON RIVER AT LONG SPRUCE GENERATING STATION	95
05UG001	LIMESTONE RIVER NEAR BIRD	80
05UH001	ANGLING RIVER NEAR BIRD	1
05UH002	WEIR RIVER ABOVE THE MOUTH	188
05DA002	COCHRANE RIVER NEAR BROCHET	27
05DB001	REINDEER LAKE AT BROCHET	128
05EA008	CHURCHILL RIVER ABOVE GRANVILLE FALLS	25
05EA009	KISSISSING LAKE AT COLD LAKE	85
05EB002	GRANVILLE LAKE AT GRANVILLE LAKE	84
05EB003	BARRINGTON RIVER BELOW FIRST RAPIDS	7
05EB004	CHURCHILL RIVER ABOVE LEAF RAPIDS	26
05EB006	RUSSELL LAKE NEAR MERRIOT	132
05EB007	EAGER LAKE NEAR TOD LAKE	39
05EC001	SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE	180
05EC003	SOUTHERN INDIAN LAKE AT SOUTH BAY	149
05EC006	SOUTHERN INDIAN LAKE AT MISSI FALLS	148
05EC007	SOUTHERN INDIAN LAKE NEAR OPACHUANAU LAKE	149
05FA001	GAUER RIVER BELOW THORSTEINSON LAKE	49
05FB001	CHURCHILL RIVER BELOW FIDLER LAKE	26
05FB002	LITTLE BEAVER RIVER NEAR THE MOUTH	81
05FC001	LITTLE CHURCHILL RIVER ABOVE RECLUSE LAKE	81
05FD001	CHURCHILL RIVER ABOVE RED HEAD RAPIDS	26
05FD002	DEER RIVER NORTH OF BELCHER	37
05GA001	SOUTH SEAL RIVER ABOVE FOX LAKE	147
05GB001	NORTH SEAL RIVER BELOW STONY LAKE	88
05GD001	SEAL RIVER BELOW GREAT ISLAND	135